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David Heyes. Density and pressure dependence of the equation of state and transport coefficients of soft-sphere fluids. *Molecular Physics*, 2009, 107 (04-06), pp.309-319. 10.1080/00268970802712563 . hal-00513249

HAL Id: hal-00513249

<https://hal.science/hal-00513249>

Submitted on 1 Sep 2010

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Density and pressure dependence of the equation of state and transport coefficients of soft-sphere fluids

Journal:	<i>Molecular Physics</i>
Manuscript ID:	TMPH-2008-0363.R1
Manuscript Type:	Special Issue Paper - Dr. Jean-Jacques Weis
Date Submitted by the Author:	12-Dec-2008
Complete List of Authors:	Heyes, David; University of cambridge, BP Institute
Keywords:	soft-sphere fluids, molecular dynamics, diffusion, viscosity
<p>Note: The following files were submitted by the author for peer review, but cannot be converted to PDF. You must view these files (e.g. movies) online.</p> <p>HeyesBranka_revision.tex figure2.eps figure4.eps</p>	



transport coefficients of soft-sphere fluids

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Molecular Dynamics, MD, simulations were used to compute physical properties of model fluids in which the particles interacted via the soft-sphere or inverse power pair potential, $\phi(r) = \epsilon(\sigma/r)^n$. n dictates the steepness or stiffness of the potential, and ϵ and σ are a characteristic energy and distance, respectively. A wide range of n values were considered, from the hard-sphere ($n \rightarrow \infty$) limit down to $n = 3\frac{1}{3}$ (the latter for the first time). A linear isotherm relationship for dense fluids observed by Parsafar and Mason for supercritical compressed gases (J. Phys. Chem., **97**, 9048 (1993)), was found to apply to the data for $n \sim 12$ (values typical of simple fluids). For smaller n , there is a change in sign of the slope, and the data exhibited more curvature. The self-diffusion coefficient, D , and shear viscosity, η_s , were also calculated. At intermediate to high densities, D^{-1} and η_s depend to a very good approximation linearly on pressure, as was found by van der Gulik (Physica A, **256**, 39 (1998)) on treatment of experimental shear viscosity data for simple molecules. Values for D and η_s at fluid-solid coexistence are given as a function of n . We refine further simple formulae for D and η_s proposed in our previous publication (Phys. Chem. Chem. Phys, **10**, 4036 (2008)). The glass transition packing fraction and pressure for the $n = 3\frac{1}{3}$ fluid are estimated by extrapolation of the self-diffusion coefficient data. In contrast to the $n = 12$ case, the shear stress correlation function correlation time shows only a weak density dependence near co-existence for the very soft interactions (*e.g.*, $n = 3\frac{1}{3}$). It is shown that for the very soft interactions close to $n = 3$, the increase in viscosity is largely determined by the infinite frequency shear modulus rather than the relaxation time, which hardly changes with density at high density.

PACS numbers:

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‡24 text pages, 1 Table and 10 figures; Short title: Soft Sphere Fluids

For Peer Review Only

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1 Knowledge of the dependence of the transport coefficients of liquids as a function of pressure
2 and temperature is of great importance in many fields of scientific research and in designing
3 industrial processes involving fluid components. For example, the effect of pressure on the
4 shear viscosity, η_s , of a liquid is important in governing the dynamics of tectonic plate
5 movement and volcano flow in geology [1] and engine efficiency in the field of tribology [2–4].
6 The self-diffusion coefficient (or more precisely its inverse) is closely related to the shear
7 viscosity and the dependence of this quantity with pressure and temperature follows closely
8 that of the viscosity. Theoretical approaches can be applied to establish the pressure, P , and
9 temperature, T , dependence of the transport coefficients. Although, only in the dilute gas
10 or ‘binary molecular collision’ limit is it possible to derive rigorous theoretical expressions
11 for the transport properties of fluids in terms of basic molecular parameters, such as mass of
12 the molecule and the form of the interaction potential. With increasing density, many-body
13 collective motion becomes more important, and this has hindered the progress of purely
14 analytic approaches. In the higher pressure and density region, up to approximately fluid-solid
15 co-existence, Molecular Dynamics, MD, computer simulation has proved useful in predicting
16 accurately the transport coefficients of small molecule systems, as the technique automatically
17 takes into account these many-body processes.

18 In a number of publications, the authors and co-workers have investigated by Molecular Dynam-
19 ics, the dynamics and transport coefficients of model fluids in which the particles or ‘molecules’
20 interact with the soft-sphere potential. [5–12]. This potential is,

$$\phi(r) = \epsilon \left(\frac{\sigma}{r} \right)^n, \quad (1)$$

21 where r is the separation between the centres of two particles, σ is a nominal particle diameter,

The exponent, n , that produces a thermodynamically well-defined system ranges from ∞ , the hard-sphere limit to the extremely soft interaction, $n \rightarrow 3+$ (the latter because for this pair potential the integrals involving the radial distribution function which define the interaction energy and virial do not converge for $n = 3$ and lower values). The density of the soft-sphere fluid is conveniently expressed in terms of a nominal packing fraction, $\zeta = \pi N\sigma^3/6V$, for N spherical particles in volume V . Because of its scale-invariance, the physical properties of the soft-sphere fluid can be used to represent different classes of chemical system, ranging from simple molecules such as argon to soft-colloids of various polymeric architectures. The soft-sphere fluid is an important benchmark potential to establish generic trends for the softness dependence of the equation of state and transport coefficients. This generic potential has been considered many times as a model for liquids and supercritical fluids [13, 14]. J.J. Weis and co-workers carried out seminal studies of soft-particle simple fluids which have improved our understanding and characterisation of these systems, for example, in the application of perturbation theory [15, 16] and investigations of the radial distribution function of the $n = 12$ case of equation (1) as discussed in ref. [17]. There have been a number of MD simulations of the effects of pressure on the viscosity of a liquid represented by a binary Lennard-Jones mixture [18, 19].

Hard-sphere kinetic theory of gases can be used as a basis to calculate the transport coefficients for the soft sphere systems in the dilute gas limit. In the infinite dilution limit, the first order solution of the kinetic theory equations for D and η_s are, [20, 21],

$$D_0 = \frac{\sqrt{\pi}}{16\zeta} \left(\frac{2k_B T}{n\epsilon} \right)^{2/n} \frac{1}{A_1(n)\Gamma(3 - 2/n)}, \quad (2)$$

$$\eta_{s,0} = \frac{5}{8\sqrt{\pi}} \left(\frac{2k_B T}{n\epsilon} \right)^{2/n} \frac{1}{A_2(n)\Gamma(4 - 2/n)}, \quad (3)$$

where k_B is Boltzmann's constant and T is the temperature. In equations (2) and (3), the '0' subscript indicates the infinite dilution limit. These quantities are expressed in reduced units, where σ is used for length, ϵ for energy and m , the mass of the molecule, for mass. $\Gamma(x)$ is the Gamma function of x , and A_1 and A_2 are slowly varying functions of n [20, 21]. For future convenience in analysing the simulation data, we define

$$D_B = \zeta D_0, \quad (4)$$

which is independent of density, and therefore provides a scaling parameter for the self-diffusion coefficient far from the dilute gas limit which can bring out its density dependence more clearly.

One approach to interpret the pressure or equivalently density dependence of transport coefficients (notably the self-diffusion coefficient and shear viscosity) is to invoke a free volume, v_f , a parameter which quantifies the available space for the molecules to occupy [22–30].

There is also another starting point, based on modifications to hard-sphere kinetic theory developed by Chapman and Enskog [31]. Another quite successful approach for the transport coefficients was proposed by Rosenfeld and is based on excess entropy [20]. Our approach follows in the tradition of Hildebrand [32, 33]. In two recent publications by the authors, the density dependence of the self-diffusion coefficient and the shear viscosity were computed [34, 35]. Also, in ref. [35], a new analytical procedure was proposed which reproduces these transport coefficients over most of the finite density range (apart from the dilute gas limit).

Also the new expression could be used to extrapolate to higher density the trends at densities near and just above the fluid-solid transition, and hence to estimate the glass transition parameters, significantly as a function of the potential parameter, n . The key formula is,

or the pressure. The treatment is a development of an expression proposed by Dymond and co-workers [36] which resulted from their pioneering work in the 1980s and 1990s. In the expression above, the ratio $-A/B$ is the value of X at the ideal glass transition (*i.e.*, where D and $\eta_s^{-1} \rightarrow 0$). Using this formula, estimated values were presented in refs. [34, 35] for the packing fraction and the pressure at the glass transition for n values between the hard and softest particle (*i.e.*, $n = 3+$) limits. The above expression was also shown to reproduce the high density viscosity data of supercritical argon, krypton and nitrogen. From a simulation point of view, it is preferable to use the self-diffusion coefficient rather than the shear viscosity because of its better statistical accuracy (being a single particle rather than N -particle property).

Refer to ref. [35] for a more complete discussion, but to summaries the main conclusions, using the self-diffusion coefficient as a specific example of a transport coefficient, it was found that at not too low densities,

$$\frac{D\zeta^{c-1}}{D_B} = A_\zeta\zeta^{-1} + B_\zeta, \quad (5)$$

where A_ζ, B_ζ and c are adjustable parameters; $c = 4/3$ fitted the simulation data within statistics for the range of n studied ($n \geq 4$) (see figure 2 in ref. [35]) The formula indicates that $D\zeta^{c-1}/D_B$ should be linear in ζ^{-1} , for this choice of c which was found to be the case (see figure 2 in ref. [35]). In fact, equation (5) can be rearranged into a form which is perhaps more easily appreciated and useful in other contexts,

$$\frac{D_B}{D} = \frac{\zeta^c}{A_\zeta + B_\zeta\zeta}. \quad (6)$$

Since B_ζ is negative, the glass transition packing fraction is determined by the condition that the denominator in this expression tends to zero. Equation (6) makes it easier to distinguish the limiting functional behaviour at low density (*i.e.*, $D^{-1} \sim \zeta^c$) and high density diverging

behaviour (where the denominator dominates). The manifestation of the glass transition is effectively confined to the denominator, while lower density behaviour predominates in the numerator.

Experimental transport coefficient data are usually measured as a function of pressure rather than density. The corresponding expressions for the pressure, P , again using D as the transport coefficient, are,

$$\frac{DP^{c-1}}{D_B} = \frac{A_p}{P} + B_p. \quad (7)$$

and hence,

$$\frac{D_B}{D} = \frac{P^c}{A_p + B_p P}. \quad (8)$$

where A_p (> 0) and B_p (< 0) are n -dependent adjustable parameters. It was found in ref. [35] that *ca.* $c \simeq 1$, independent of n . The same analytic forms can be used for the shear viscosity data, where D is replaced by η_s^{-1} and D_B is replaced by $\eta_{s,0}^{-1}$. Again, as for the equivalent packing fraction expression, equation (8) is perhaps a preferable analytic form as it clarifies more clearly than equation (7) the low pressure behaviour (where the pressure dependence in the denominator is weak and unimportant) and the high pressure or ‘glassy’ region where D^{-1} diverges because the denominator tends to zero.

After ref. [35] was published we became aware of another possible analytic form for the dependence of the viscosity of simple fluids in the literature. Van der Gulik [37] showed that experimental data of η_s of simple molecule fluids can be represented at high densities, roughly in the last third of the density range from the dilute gas to the melting line, by the formula (in our notation), by

$$\frac{\eta_s}{\eta_{s,0}} = A_v + B_v \frac{P}{P_b}. \quad (9)$$

reasonably expect that,

$$\frac{D_B}{D} = A_D + B_D \frac{P}{P_b} \quad (10)$$

where A_D and B_D are fit parameters, to apply for the self-diffusion coefficient data as well.

P_b is the pressure at fluid-solid co-existence for each n value [38]. This constant is introduced in equation (8) so that graphical representation of the data for different n values fits onto the same abscissa value range.

The purpose of this work is to develop further the discussion initiated in ref. [35], and specifically to investigate additional aspects of the density and pressure dependence of D and η_s for the soft-sphere fluid for a range of n .

Dynamical evolution of the soft-sphere fluids was conducted using Molecular Dynamics, MD, simulations of assemblies of particles interacting via the soft-sphere potential of equation (1), under microcanonical conditions and at constant temperature (by ‘velocity rescaling’). Steepness parameter values as low as (for the first time) $n = 3\frac{1}{3}$ were considered. The self-diffusion coefficients of the hard-sphere (*i.e.*, $n \rightarrow \infty$) limit are taken from ref. [39]. Most of the simulations were carried out with $N = 2048$ particles, at a reduced temperature, $k_B T/\epsilon = 1$ (see ref. [40] for further details). We also used $N = 6912$ for $n = 4$ and $n = 3\frac{1}{3}$, which was required because of the relatively long range of these particular potentials. The statistical mechanical formulae for the computed quantities are available from the literature (*e.g.*, refs. [41–43]). For an N particle periodic system, u , the potential energy per particle, can be obtained from a molecular simulation using the following average,

$$u = \frac{1}{2N} \left\langle \sum_{i=1}^N \sum_{i \neq j}^N \phi(r_{ij}) \right\rangle, \quad (11)$$

where r_{ij} is the separation between particles i and j , and $\langle \dots \rangle$ denotes an ensemble (Monte Carlo) or time (Molecular Dynamics) average. For the inverse power potentials, the pressure and mechanical properties can be written in terms of u , defined in (11). For example, the pressure is given by,

$$P = \rho k_B T + n\rho u/3, \quad (12)$$

where $\rho = N/V$, is the number density. Thermodynamic properties of the soft sphere fluids are considered first. An important feature of these systems is that the assemblies become more compressible as n decreases. This is indicated in the dependence of ζ on the pressure in figure 1 for a selection of n values. The fluids become less compressible as pressure increases and the available space for the molecules becomes progressively reduced. To represent the data

conveniently, the pressure on the figure is given in units of P_b , and the figure shows ζ against P/P_b . Two functional forms were chosen to fit the data. The first has the analytic form,

$$\zeta = \frac{a_1(P/P_b)^{a_2} + a_3(P/P_b)^{a_4}}{1.0 + a_5(P/P_b)^{a_6}}, \quad (13)$$

where a_i are adjustable parameters [44]. The other functional form is the well-known Tait equation (see *e.g.*, [45–47]), which may be written,

$$\zeta = A_T(1 - B_T \ln[1 + (P/P_b)/C_T]), \quad (14)$$

where A_T, B_T and C_T are constants that can be assigned on fitting to the experimental or simulation data. The Tait equation is usually applied to the density dependence of liquids at high pressure, and there is no reason to expect that it would capture the low pressure behaviour of supercritical fluids or the soft sphere fluids. Nevertheless, figure 1, reveals that the 3-parameter Tait equation does provide quite a reasonable fit to the simulation data, but as might be expected, not as good as the 6-parameter formula of equation (13).

In regard to the equation of state, if Z is the equation of state compressibility factor ($= P/\rho k_B T$), the quantity, $(Z - 1)/\rho^2$, has been found to be a linear function of ρ^2 for a number of simple gases above the critical point density and temperature [48, 49]. This correlation has also been found to apply reasonably well to liquid metals [50]. In the present context, this relationship is more conveniently expressed in the slightly modified form relating, $(Z - 1)/(\zeta/\zeta_b)^2$ to $(\zeta/\zeta_b)^2$. ζ_b is the packing fraction of the fluid phase at fluid-solid co-existence [38]. Figure 2 shows such a plot for several n values. For approximately $n = 12$ and higher, the data have a positive slope at high density in agreement with the observation of Parsafar and Mason [48]. For $n = 7$ the slope at high density is near zero, and the slope becomes progressively more negative as n decreases further. This figure illustrates that a lower order

polynomial is required to roughly approximate $(Z - 1)$ for, say, $n = 5$ than for $n = 288$.

Therefore it should be expected that the performance of $(Z - 1)/\zeta^2$ is different as n varies.

We can also expect that there exists some range (*e.g.*, $6 < n < 18$) for which a fourth order polynomial should describe $Z - 1$ quite well.

The self-diffusion coefficient and shear viscosity data are now considered. Most of the following analysis is carried out with the self-diffusion coefficient data, as their statistics are better than that of the viscosity. (D is a single particle property whereas the shear viscosity is based on the shear stress, which is an N -particle property.) In fact, the trends in η_s^{-1} are qualitatively similar to those of D . Figure 3 presents D_B/D against ζ/ζ_b . It may be seen from the figure that with an increase of the ratio, $\zeta/\zeta_b \rightarrow 1$, the data rise more rapidly for larger n values. This suggests that short-range excluded volume effects are more important close to the fluid-solid boundary in the large n or ‘hard-sphere’ limit. The values for D of the fluid at fluid-solid coexistence from polynomial least squares fits to these data are given in table 1. Turning to the density dependence of D given in equation (6), greater clarity in comparing self-diffusion coefficients for the wide range of n considered in this work is achieved using the normalised packing fraction, ζ/ζ_b rather than just ζ itself. So the slightly modified formula,

$$\frac{D_B}{D} = \frac{(\zeta/\zeta_b)^c}{A_\zeta + B_\zeta(\zeta/\zeta_b)}. \quad (15)$$

is used here for comparison with the simulation data. Note that for this formula, the ratio of D_B/D goes to zero as $\zeta \rightarrow 0$, as it should, but not necessarily with the correct limiting density dependence according to kinetic theory. Figure 3 shows that these datasets can be fitted well by a least squares procedure to the formula in equation (15), using the value $c = 4/3$ which was found in ref. [35] to be optimum with the statistical uncertainties of the simulation data when the fitting procedure was made at high densities with the equivalent expression of

Equation (8) for the pressure dependence of D^{-1} can also be written in a 'reduced' form,

$$\frac{D_B}{D} = \frac{(P/P_b)^c}{A_p + B_p(P/P_b)}, \quad (16)$$

with $c=11/12$ (see ref. [35]). Figure 4 demonstrates that the above formula provides an excellent fit to the simulation data (except at very low pressures). The corresponding treatment for the shear viscosity is,

$$\frac{\eta_s}{\eta_{s,0}} = 1.0 + \frac{(P/P_b)^c}{A_p + B_p(P/P_b)}, \quad (17)$$

where the first term on the right hand side has been added to force compliance with the dilute gas limit, and where from the high pressure range, $c = 3/4$ [35]. Similarly for the shear viscosity the following formula can be used to reproduce the simulation data reasonably well,

$$\frac{\eta_s}{\eta_{s,0}} = 1.0 + \frac{(\zeta/\zeta_b)^c}{A_\zeta + B_\zeta(\zeta/\zeta_b)}, \quad (18)$$

where $c = 2$. Figure 5 presents $\eta_s/\eta_{s,0}$ against ζ/ζ_b , together with least square fits using equation (18), demonstrating the same trend as in figure 3. Table 1 gives the values of η_s at co-existence (*i.e.*, $\zeta/\zeta_b = 1$) derived from the fits for the parameters A_ζ and B_ζ to the simulation data using this formula. The general trend evident in the table is for the co-existence value of the self-diffusion coefficient to increase with n up to *ca.* $n < 7$, and for higher n it is essentially independent of n , within the simulation statistics. The shear viscosity shows more or less the reverse trend, although the decrease in viscosity at co-existence appears to continue decreasing with increasing n , up to about $n \sim 10$, before levelling off.

The new data for $n = 3\frac{1}{3}$, summarised in table 1, confirms the trends established in refs. [34, 35] for less soft systems. The glass transition occurs relatively further into the solid phase with

increasing softness of the interaction. For example for $n = 12$, the ratio of the glass transition packing fraction to the maximum equilibrium fluid packing fraction, ζ_g/ζ_f , is 1.20, while for $n = 4$ the ratio is 1.61, and for $n = 3\frac{1}{3}$ it is 2.89. For the pressure, the corresponding ratios are 2.1, 4.6 and 37, respectively. Further data points in the regime $n = 4$ to $3+$ would be required to establish with any confidence the precise scaling behaviour and limiting values of these (and other) quantities close to the $3+$ limit.

Returning to figure 4, it may be seen that the data is close to being linear in pressure (at least at intermediate pressures). This result concurs with the observation of van der Gulik based on an analysis of experimental data of the inverse shear viscosity of some simple molecules far from the dilute gas limit [37]. Figure 6 shows simulation D_B/D against P/P_b in the intermediate range, $0.1 \leq P/P_b \leq 0.8$. A linear regression fit with the formula given in equation (10) is made to each n -dataset. The values for the slopes of these lines (*i.e.*, B_D) are listed in table 1. The table shows that the slope of the data decreases with increasing n . Figure 7 presents the corresponding analysis for the shear viscosity. In this case too, intermediate density states show a roughly linear dependence on pressure, as was found by van der Gulik for experimental systems [37].

Figure 8 presents D_B/D and $\eta_s/\eta_{s,0}$ against ζ/ζ_b on the same diagram in order to compare the softness dependence of these two quantities. Values of $n = 3\frac{1}{3}$ and 12 are given as illustrative examples. Qualitatively similar behaviour is found for the self-diffusion coefficient and viscosity. As the potential becomes stiffer, both quantities increase more rapidly with density, which is particularly noticeable for states close to fluid-solid co-existence (*i.e.*, $\zeta/\zeta_b \simeq 1$). Nevertheless, the rate of increase in the scaled viscosity with density is more rapid than that of the scaled inverse diffusion coefficient. This can be explained on the basis that viscosity is derived from

a time correlation function of the shear stress which is formally many-body in nature. Two- to four-body terms are included in the time correlation function at any time. As the potential becomes longer ranged, more terms need to be included for the shear stress. In contrast, in being a single particle property, one might expect the behaviour of the self-diffusion coefficient to be determined more directly by fewer, closer neighbours, which would therefore be less sensitive to the range of the potential. This conclusion is, in fact, implicit in a result in a previous publication (ref. [34]) in which a generalized Stokes-Einstein, SE, relation was found to fit well simulation D and η_s data in the very soft particle limit. The original SE equation is,

$$lD\eta_s = \frac{k_B T}{c\pi}, \quad (19)$$

where $c = 3$ and 2 , for ‘stick’ and ‘slip’ boundary conditions, respectively, and l is the diameter of a sphere in a liquid of viscosity η_s . Instead of l being much larger than the diameter of the solvent molecule, equation (19) is applied in this context to particles of the same size as the solvent molecules. There is a modified SE expression due to Li and Chang, [51] and Zwanzig [52, 53], $D\eta_s = \rho^{1/3}k_B T/c\pi$, which is consistent with equation (19) if $l \propto \rho^{-1/3}$. This revised SE formula conforms to the soft sphere simulation data rather well (see Figure 7 in ref. [34]). It may therefore also be concluded from this revised SE formula that the viscosity increases more rapidly than the self-diffusion coefficient decreases, with increasing density, in agreement with the trends evident in figure 8. This trend is most evident for small n -value systems as they cover a wider density range in the thermodynamically stable fluid phase.

It was pointed out by J.C. Maxwell that the viscosity and (short time or ‘infinite frequency’) elastic modulus, G_∞ , of a fluid are parameters describing two aspects of the same process [54], and that the shear viscosity can be written as the product of the elastic modulus times a relaxation time, τ_s , *i.e.*, $\eta_s = G_\infty\tau_s$. The shear stress, σ_{xy} , in a suddenly strained fluid decays

with time from an initial value proportional to G_∞ , eventually to zero, as a liquid cannot indefinitely sustain a shear stress after being suddenly subjected to an affine shear strain. The functional form of this decay is given by the so-called shear stress relaxation function, $C_s(t)$. Maxwell assumed an exponential for $C_s(t)$, which is essentially correct (at long times) for dilute gases; a more complicated functional form is usually required for liquids and dense fluids. The statistical mechanical expression for the relaxation time is calculated from the shear stress autocorrelation function, [43]

$$\tau_s = \int_0^\infty \frac{\langle \sigma_{xy}(z+t)\sigma_{xy}(z) \rangle_z}{\langle \sigma_{xy}^2(z) \rangle_z} dt, \quad (20)$$

where $\langle \dots \rangle_z$ indicates an average over a sampling time, z ; which is the simulation time in practice. The infinite frequency elastic modulus is a static average given for pair-wise interactions by the following formula [55],

$$G_\infty = \rho k_B T + \frac{2\pi\rho^2}{15} \int_0^\infty dr g(r) \frac{d}{dr} \left(r^4 \frac{d\phi}{dr} \right), \quad (21)$$

which for the soft sphere potential reduces to,

$$G_\infty = \rho k_B T + n(n-3)\rho u/15 = \rho k_B T + \frac{1}{5}(n-3)\rho(P - \rho k_B T). \quad (22)$$

The self-diffusion coefficient can also be written in the form of a state-dependent time average times a relaxation time. $D = (k_B T/m)\tau_D$, where, from the velocity autocorrelation function (the integrand in the following integral),

$$\tau_D = \int_0^\infty \frac{\langle v_x(z+t)v_x(z) \rangle_z}{\langle v_x^2(z) \rangle_z} dt, \quad (23)$$

where v_x is the x -component of the velocity.

In figure 9, τ_s defined in equation (20) and τ_D , defined in equation (23) are plotted against ζ/ζ_b . Two representative values of n are considered, *i.e.*, $n = 3\frac{1}{3}$ and 12. The general

trend is for τ_D to decrease with increasing density for all n . This is a characteristic feature associated with the increasingly oscillatory nature of the velocity autocorrelation function as density increases and passes through the fluid-solid phase transition boundary. In contrast, after an initial rapid decay as density increases from the low density limit, for $n = 3\frac{1}{3}$, τ_s is essentially density independent near to and across the fluid-solid phase transition boundary. For $n = 12$ and larger, τ_s ascends in the high density regime. The trend in the data for $n = 4$, also shown on the figure, is in between those of $n = 12$ and $n = 3\frac{1}{3}$ (but much closer to the latter). Therefore, the shear stress relaxation time becomes increasingly density independent (away from the dilute gas limit) with increasing softness of the interaction. This progressive levelling off of the shear stress relaxation time with density for softer interactions indicates that the rapid increase in shear viscosity on crossing the fluid-solid coexistence transition, is due almost entirely to an enhancement of the shear modulus. This trend is clarified in detail in figure 10, which presents the various terms in the relationship, $\eta_s = G_\infty \tau_s$. In ref. [37] reference was made to Maxwell's approximation that $P \propto G_\infty$, which is, in fact, not unreasonable as at high pressure (where for both the kinetic parts are relatively small compared with the configurational parts) they are both proportional to ρu , at least for the soft sphere systems. This may be seen on comparison of equations (12) and (22).

1 The authors' previous reports on the physical properties of the soft sphere fluid have been
2 extended in several directions. The data for the density and pressure has been shown to comply
3 reasonably well with the widely used Tait equation [45]. An empirical relationship between the
4 compressibility factor and the density, found to apply to simple liquids and metallic liquids
5 [48, 50], is shown to represent the soft-sphere potential data for the exponent values $n \sim 12$
6 and higher. However as n gradually decreases below 12 the soft sphere behaviour increasingly
7 departs from this form.

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10 Recently proposed analytic expressions for the self-diffusion coefficient, D , and shear viscosity,
11 η_s , [35] are considered in rearranged form, which reveals better the low and high density
12 (pressure) limiting behaviour, and having therefore perhaps more general utility and appeal.
13 See equation (6) for the density, and equation (8) for the pressure dependence of D^{-1} , for
14 example.

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17 Van der Gulik's observation, that at high densities, the shear viscosity is approximately
18 linear with pressure [37], is verified for the soft-sphere fluids for all n considered. The inverse
19 self-diffusion coefficient follows the same trends.

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22 This study provides further insights into the behaviour of the self-diffusion coefficient and
23 shear viscosity in the extreme soft particle limit (*i.e.*, $n \rightarrow 3+$). The simulation series carried
24 out for $n = 3\frac{1}{3}$ gets closer to this limit. The glass transition derived from these data goes
25 relatively further 'into' the solid phase with increasing interaction softness (as measured by
26 the density or pressure of this point compared to those of the co-existing fluid or solid phases).

Other aspects of the phase diagram in this limit are still rather uncertain. There has been much interest recently in systems whose interactions are soft at short-range (*i.e.*, so-called ‘bounded’ potentials, see *e.g.*, [56–59]). The range of phases possible is considerably more than for ‘normal’ systems with intermolecular potentials that diverge at the origin. The soft-sphere repulsive potential can be long-ranged for small enough n , yet is not ‘bounded’ at zero separation, so belongs to a different class of system. The repulsive Kac potential decays exponentially and when very long-ranged (more akin to the present soft-sphere systems), the fluid-solid phase transition disappears and the system breaks up into clusters (*e.g.*, see refs. [60, 61]). The behaviour of the soft-sphere system in the $n \rightarrow 3+$ limit still requires further clarification.

Also in the soft limit the shear viscosity becomes more like a static property. For the very soft particle systems, $n \rightarrow 3+$, the shear stress relaxation time (according to Maxwell’s definition) becomes essentially independent of density at densities near the fluid-solid coexistence transition. The viscosity increase in this region is therefore dominated by the increase in the infinite frequency shear rigidity modulus, which being a static property, could be calculated approximately by statistical mechanical theory or more exactly by Monte Carlo simulation.

Acknowledgments It is a pleasure to contribute an article to this Special Issue of Molecular Physics in honour of J.-J. Weis. We have read his articles over the years with great interest and admiration. These publications have contributed immensely to our understanding of the liquid state, and have provided an inspiration for our own work. We wish Prof. Weis many rewarding years to come. The authors would like to thank the Royal Society (London) and

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Table 1. Key thermodynamic and transport properties as a function of n the soft-sphere potential defined in equation (1) determined using Molecular Dynamics simulations. Key: n , the soft-sphere potential exponent. ζ_f , the packing fraction of the fluid phase at co-existence [38]. ζ_s , the packing fraction of the solid phase at co-existence [38]. $\zeta_{g,D}$, the packing fraction at the glass transition, estimated by extrapolation of the self-diffusion coefficient using the formula in equation (5) for data points close to $D \rightarrow 0$. P_b is the co-existence pressure from ref. [38], and the estimated glass transition pressure, P_g , is from a least squares fit of the simulation data to equation (7) using $-A_p/B_p$. For both $\zeta_{g,D}$ and P_g , the procedure used in ref. [35] was adopted. D_b is the self-diffusion coefficient of the fluid phase at fluid-solid coexistence using the density-D formula of equation (15) shown also in figure 3. $\eta_{s,b}$ is the shear viscosity of the fluid at co-existence from equation (18); see also figure 5. The slope, B_D is from equation (10), see also figure 6. The slope B_v is from equation (9), see also figure 7. All quantities are in reduced units of the soft-sphere potential parameters, ϵ for energy, σ for length from the definition of the pair potential, and the mass of the molecule, m , is the unit of mass. The statistical uncertainties in $\zeta_{g,D}$ are *ca.* 2%, in P_g are *ca.* 2%, D_b is *ca.* 2%, and $\eta_{s,b}$ are *ca.* 3–5%.

	n	ζ_f	ζ_s	$\zeta_{g,D}$	P_b	P_g	D_b	$\eta_{s,b}$	B_D	B_v
1										
2										
3										
4										
5	$3\frac{1}{3}$	5.05	5.06	14.6	2750	1.02×10^5	0.019	17.7	7.0	83
6										
7										
8	4	2.98	3.00	4.8	637	2900	0.017	17.2	7.0	94
9										
10	5	1.73	1.74	2.4	208	680	0.018	13.0	6.4	60
11										
12										
13	6	1.22	1.23	1.6	104	284	0.020	10.8	5.6	57
14										
15	7	0.967	0.983	1.2	65.0	168	0.022	8.7	4.7	46
16										
17										
18	8	0.826	0.843	1.04	46.8	100	0.023	7.4	4.6	39
19										
20	9	0.738	0.757	0.91	36.8	85.7	0.024	7.8	4.4	32
21										
22										
23	10	0.680	0.700	0.82	30.7	67.8	0.024	6.6	4.4	35
24										
25	12	0.610	0.633	0.73	23.7	50.7	0.025	6.4	3.9	31
26										
27	15	0.558	0.585	0.64	18.7	38.2	0.026	5.9	3.9	34
28										
29										
30	18	0.531	0.562	0.61	16.3	31.5	0.025	5.5	3.7	28
31										
32	36	0.493	0.534	0.56	12.6	23.7	0.026	6.7	3.4	24
33										
34	72	0.488	0.535	0.54	11.8	20.6	0.024	6.6	3.7	26
35										
36	288	0.491	0.542	0.54	11.6	20.1	0.023	6.7	3.8	28
37										
38										
39	HS	0.493	0.545	0.55	11.7	20.3	0.024	-	3.8	-
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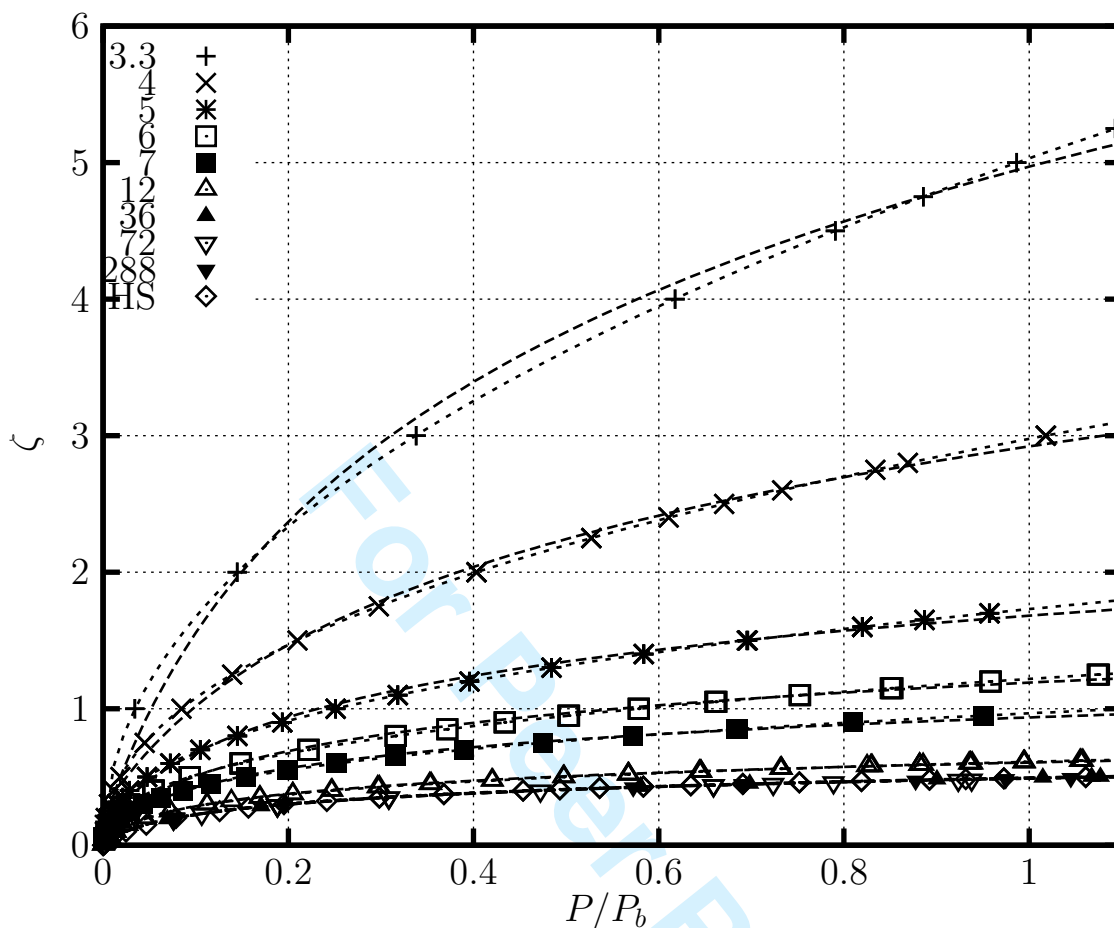


FIG. 1: The packing fraction, ζ , of the soft-sphere fluids *vs.* pressure, P in units of the fluid-solid coexistence pressure, P_b [38]. The exponents, n for the potential equation (1) are given on the figure. The data fit curve which goes through the data is the 6-parameter expression given in equation (13), the other fit curves are using the 3-parameter Tait equation, see equation (14).

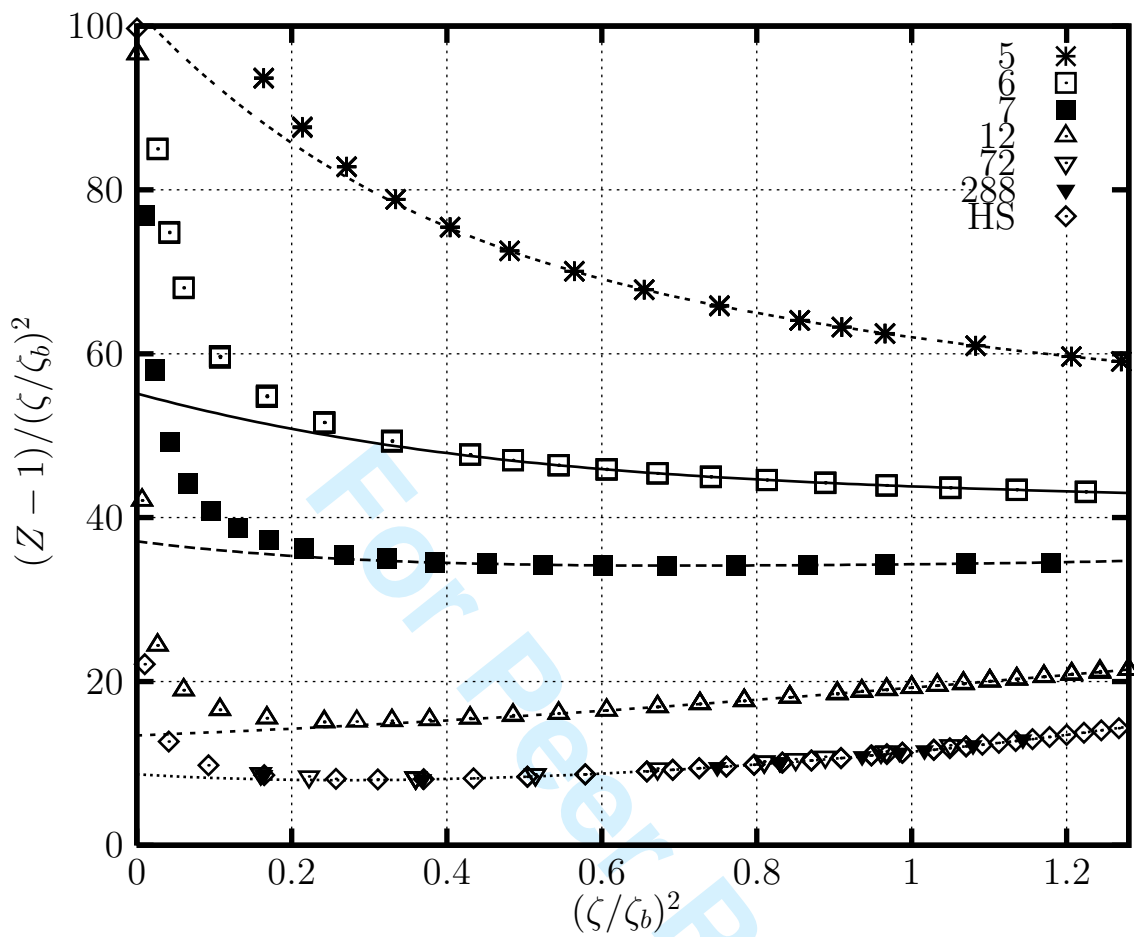


FIG. 2: $(Z - 1)/(\zeta/\zeta_b)^2$ against $(\zeta/\zeta_b)^2$, where the ζ_b values for each n are taken from ref. [38]. The exponents, n for the potential equation (1) are given on the figure.

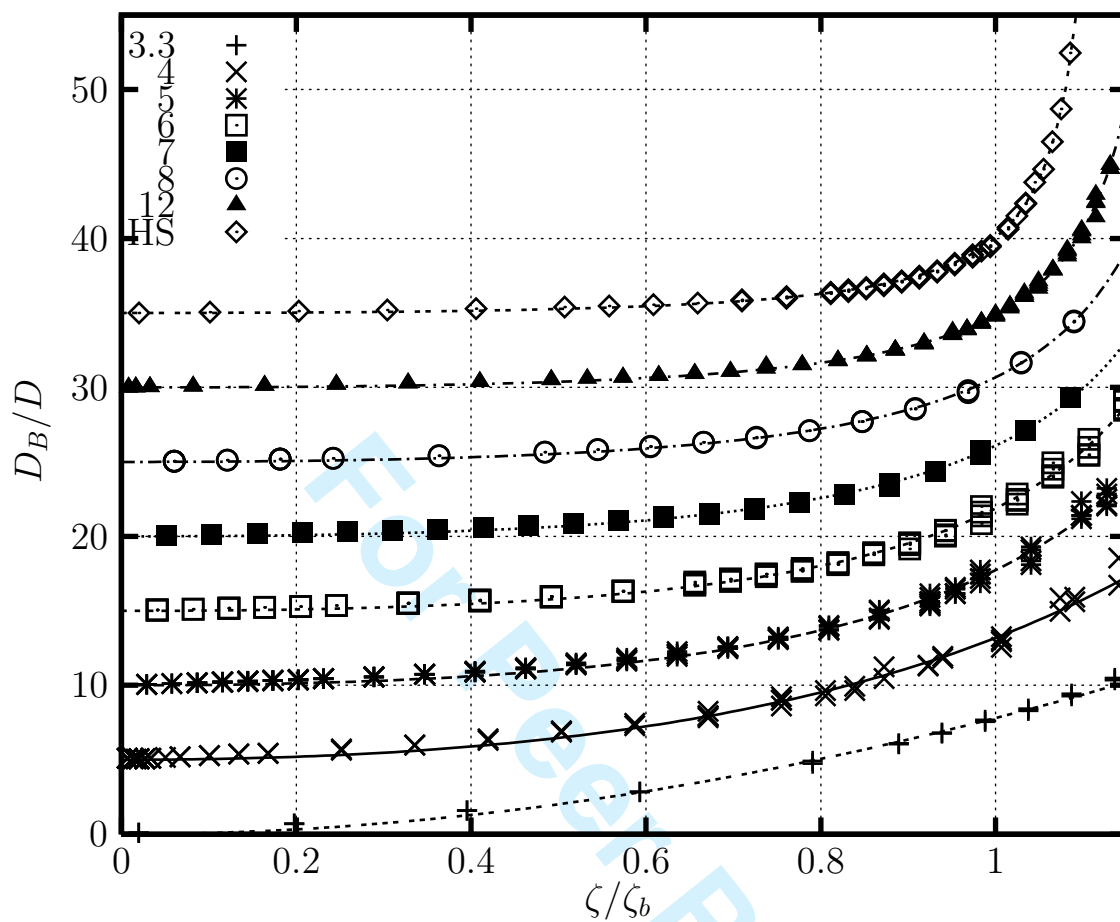


FIG. 3: D_B/D against ζ/ζ_b for various n -values, indicated on the figure. The curves on the figure are least squares fits to the data using the formula of equation (15), with ζ replaced by ζ/ζ_b , with $c = 4/3$. To facilitate interpretation of the trends, data for increasing n are successively shifted by +5 along the ordinate axis.

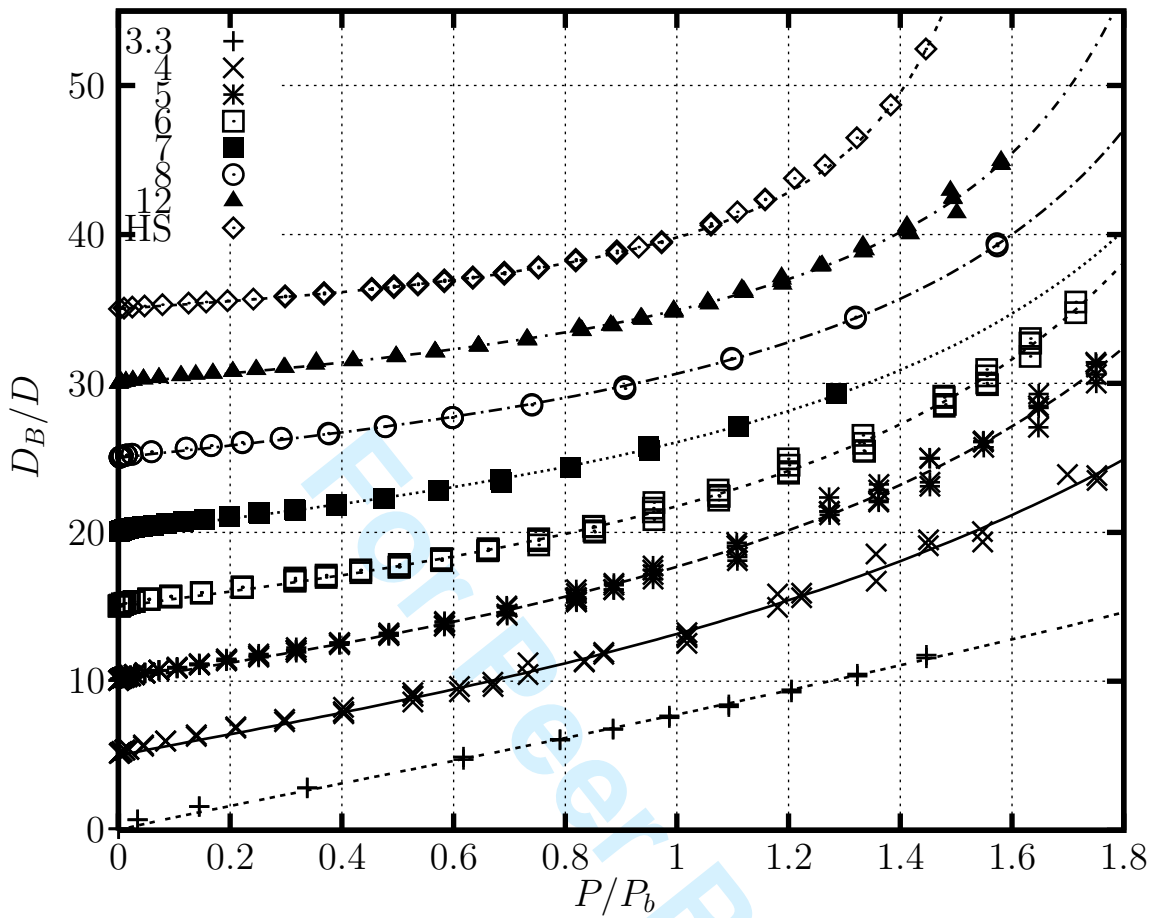


FIG. 4: D_B/D against P/P_b for various n -values. The data points and curve fits are shifted by units of +5 along the ordinate axis to help distinguish the behaviour for each n . The least squares fit to each dataset is using the formula in equation (16). These curves are given on the figure.

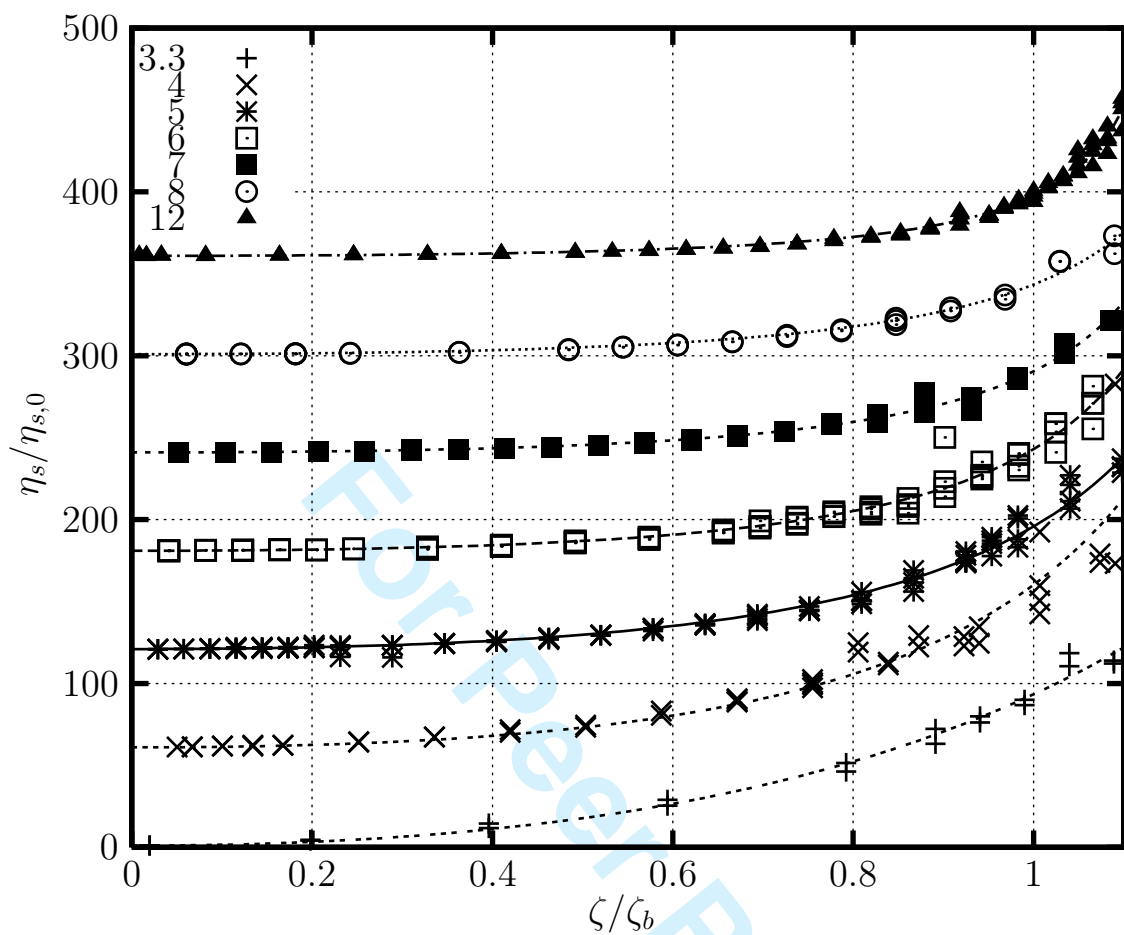


FIG. 5: $\eta_s/\eta_{s,0}$ against ζ/ζ_b for various n -values. The curves on the figure are least squares fits to the data using the formula of equation (18), and $c = 2$. To facilitate interpretation of the trends, data for increasing n are shifted by +60 along the ordinate axis.

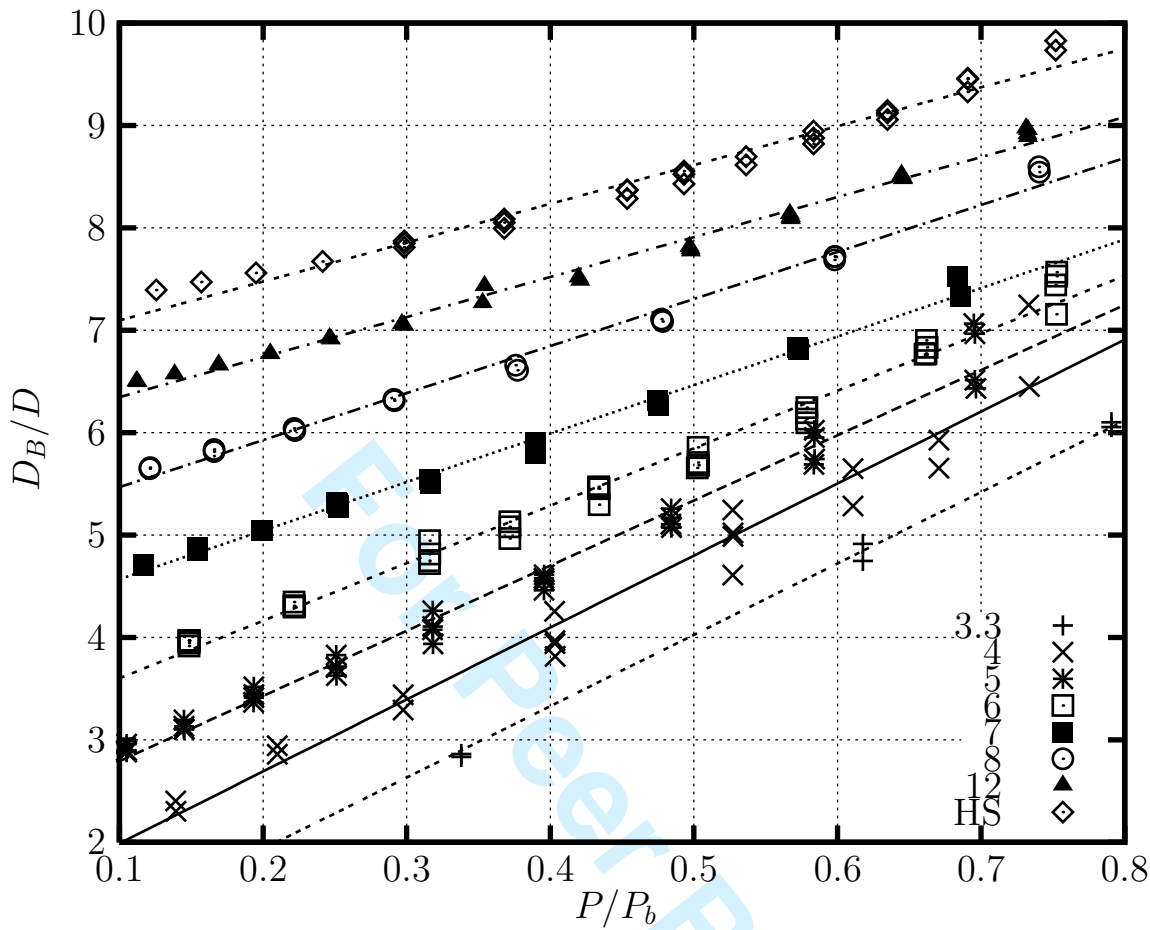


FIG. 6: D_B/D against P/P_b , where D_B is defined in equation (4), and P_b is the pressure at fluid-solid co-existence. The linear regression fits to the data in the range $0.1 \leq P/P_b \leq 0.8$ for equation (10) [44]. The values for the slopes, B_D are given in table 1. Datasets and fits are shifted by +1 for each value of increasing n .

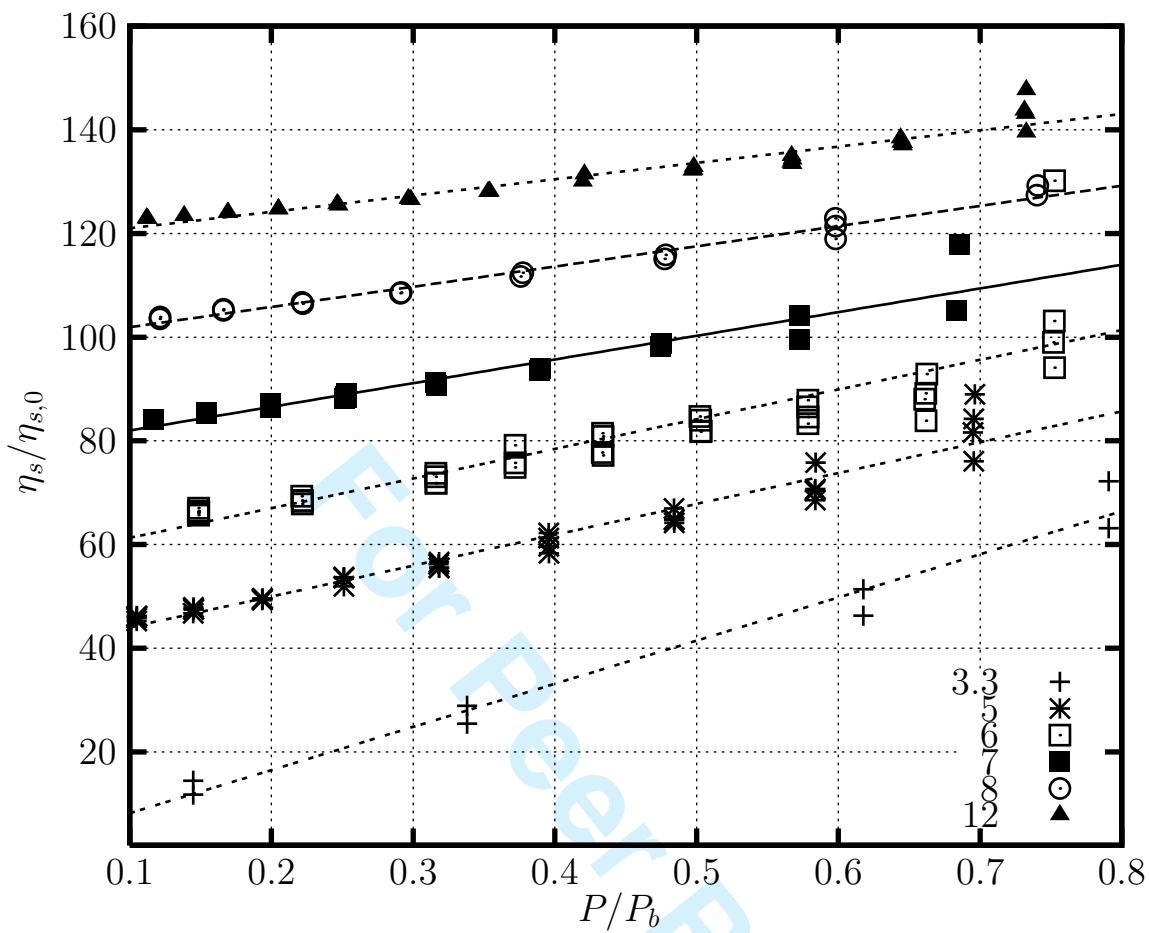


FIG. 7: $\eta_s/\eta_{s,0}$ against P/P_b . Linear regression fits to the data in the range $0.2 \leq P/P_b \leq 0.8$ for equation (9) are also given on the figure [44]. The values for the slopes, B_v are listed in table 1. Datasets and fits are shifted by +20 for each value of increasing n .

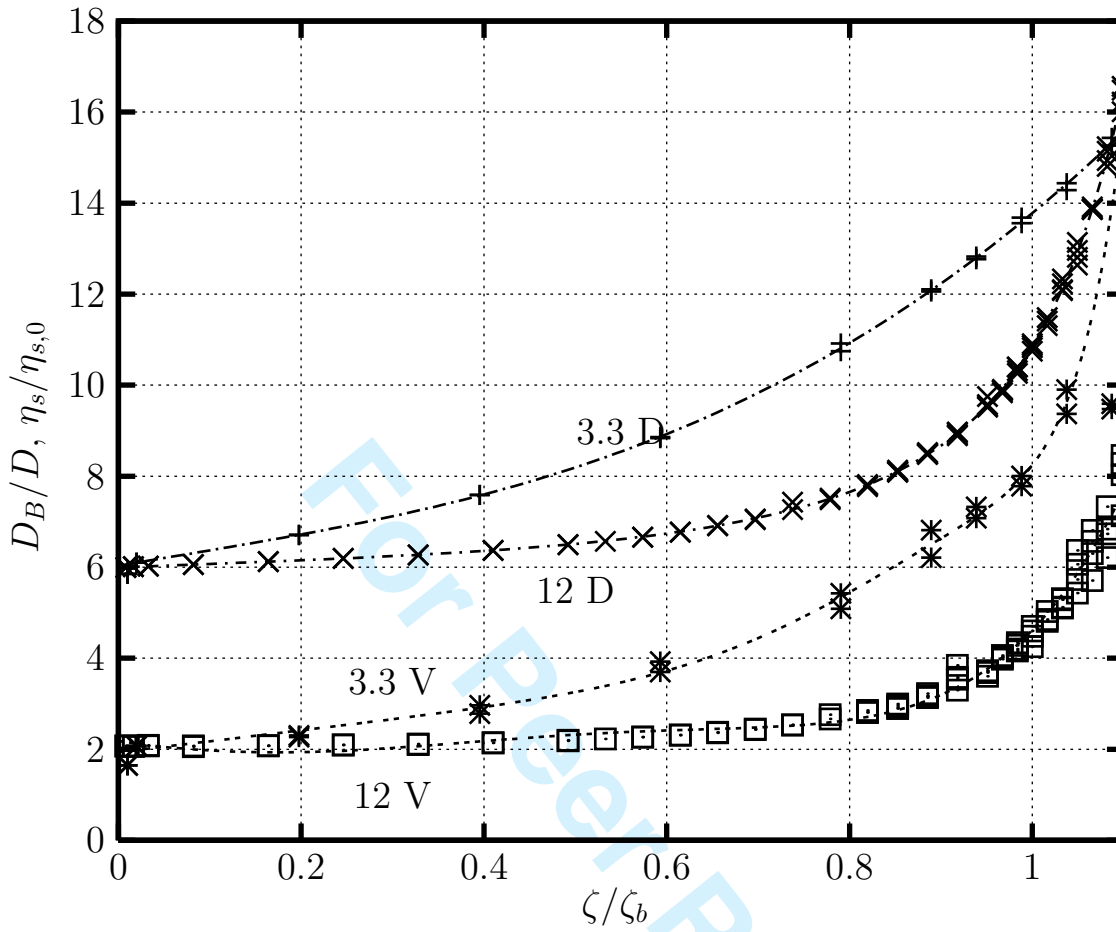


FIG. 8: D_B/D and $\eta_s/\eta_{s,0}$ against ζ/ζ_b , where D_B is defined in equation (4) and $\eta_{s,0}$ in equation (3).

ζ_b is the fluid phase packing fraction at fluid-solid co-existence [38]. Data for $n = 3\frac{1}{3}$ and 12 are given on the figure. The D curves and polynomial fits are with a baseline value of 6 and the η_s curves for $n = \frac{1}{3}$ have a baseline of 2. The annotation on the figure is n and whether the self-diffusion coefficient data ('D') or the viscosity data ('V') is considered. The datasets and fit functions for the viscosity are scaled by a factor of 1/15.

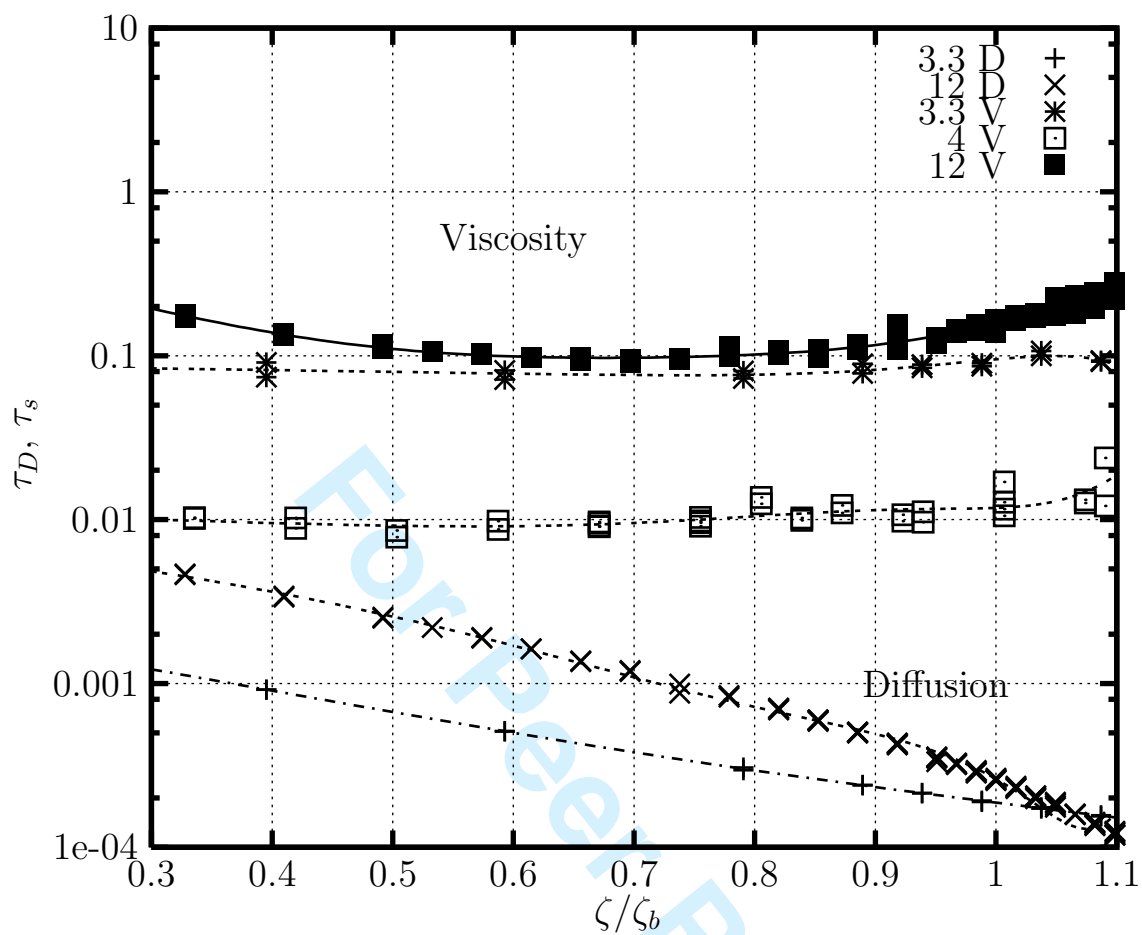


FIG. 9: τ_s defined in equation (20) and τ_D defined in equation (23) plotted against ζ/ζ_b for $n = 3\frac{1}{3}$ and 12. The curves on the figure are least squares fits to the data using a low order polynomial. n is indicated in the key, and 'V' stands for τ_s and 'D' stands for τ_D . Note the lin-log axes. To aid clarity, the τ_D are multiplied by 0.01. $\tau_s/10$ for $n = 4$ is also shown.

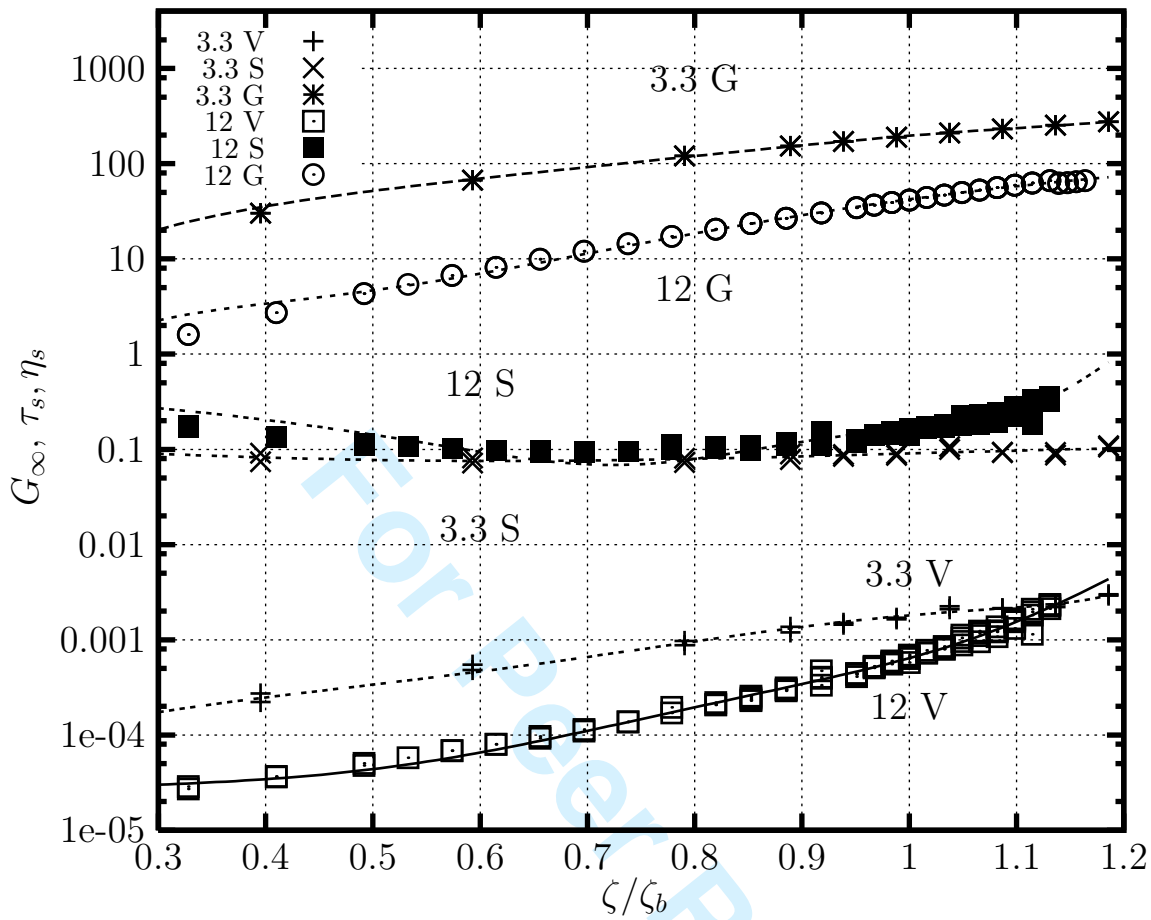


FIG. 10: G_∞ defined in equation (22), τ_s defined in equation (20) and η_s plotted against ζ/ζ_b for $n = 3\frac{1}{3}$ and 12. The curves on the figure are least squares fits to the data using a low order polynomial. n is indicated in the key. 'G, S' and V' stands for G_∞ , τ_s and η_s , respectively. Note the lin-log axes. To aid clarity, the η_s are multiplied by 0.0001.

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8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
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11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
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55 /f {rlineto fill} bind def
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11 /BL { stroke userlinewidth 2 mul setlinewidth
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17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
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39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17    translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18    closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20    translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21    closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23    hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27     2 copy vpt 0 90 arc closepath fill
28     vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30     2 copy vpt 90 180 arc closepath fill
31     vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33     2 copy vpt 0 180 arc closepath fill
34     vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36     2 copy vpt 180 270 arc closepath fill
37     vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39     2 copy vpt 0 90 arc
40     2 copy moveto
41     2 copy vpt 180 270 arc closepath fill
42     vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44     2 copy vpt 90 270 arc closepath fill
45     vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47     2 copy vpt 0 270 arc closepath fill
48     vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50     2 copy vpt 270 360 arc closepath fill
51     vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53     2 copy vpt 270 450 arc closepath fill
54     vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56     2 copy moveto
57     2 copy vpt 90 180 arc closepath fill
58     vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```



```

1
2
3      2 copy vpt 0 180 arc closepath fill
4      2 copy moveto
5      2 copy vpt 270 360 arc closepath fill
6      vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8      2 copy vpt 180 360 arc closepath fill
9      vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11      2 copy vpt 0 90 arc closepath fill
12      2 copy moveto
13      2 copy vpt 180 360 arc closepath fill
14      vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16      2 copy vpt 90 360 arc closepath fill
17      vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19      vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21      neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33      exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37      2 copy vpt Square fill
38      Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43      Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46      Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50      2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52      2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

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1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

```

```

1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     350 300 M
47     3820 0 V
48     1.000 UL
49     LTb
50     350 300 M
51     63 0 V
52     3757 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     1.000 UL
57     LTa
58     350 812 M
59     3820 0 V
60     1.000 UL
61     LTb

```

1
2
3 350 812 M
4 63 0 V
5 3757 0 R
6 -63 0 V
7 1.000 UL
8 LTb
9 1.000 UL
10 LTa
11 350 1324 M
12 3820 0 V
13 1.000 UL
14 LTb
15 350 1324 M
16 63 0 V
17 3757 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 1.000 UL
22 LTa
23 350 1836 M
24 3820 0 V
25 1.000 UL
26 LTb
27 350 1836 M
28 63 0 V
29 3757 0 R
30 -63 0 V
31 1.000 UL
32 LTb
33 1.000 UL
34 LTa
35 350 2348 M
36 50 0 V
37 522 0 R
38 3248 0 V
39 1.000 UL
40 LTb
41 350 2348 M
42 63 0 V
43 3757 0 R
44 -63 0 V
45 1.000 UL
46 LTb
47 1.000 UL
48 LTa
49 350 2860 M
50 50 0 V
51 522 0 R
52 3248 0 V
53 1.000 UL
54 LTb
55 350 2860 M
56 63 0 V
57 3757 0 R
58 -63 0 V
59 1.000 UL
60

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1
2
3 LTb
4 1.000 UL
5 LTa
6 350 3372 M
7 3820 0 V
8 1.000 UL
9 LTb
10 350 3372 M
11 63 0 V
12 3757 0 R
13 -63 0 V
14 1.000 UL
15 LTb
16 1.000 UL
17 LTa
18 350 300 M
19 0 3072 V
20 1.000 UL
21 LTb
22 350 300 M
23 0 63 V
24 0 3009 R
25 0 -63 V
26 1.000 UL
27 LTb
28 1.000 UL
29 LTa
30 1045 300 M
31 0 3072 V
32 1.000 UL
33 LTb
34 1045 300 M
35 0 63 V
36 0 3009 R
37 0 -63 V
38 1.000 UL
39 LTb
40 1.000 UL
41 LTa
42 1739 300 M
43 0 3072 V
44 1.000 UL
45 LTb
46 1739 300 M
47 0 63 V
48 0 3009 R
49 0 -63 V
50 1.000 UL
51 LTb
52 1.000 UL
53 LTa
54 2434 300 M
55 0 3072 V
56 1.000 UL
57 LTb
58 2434 300 M
59 0 63 V
60

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1
2
3 0 3009 R
4 0 -63 V
5 1.000 UL
6 LTb
7 1.000 UL
8 LTa
9 3128 300 M
10 0 3072 V
11 1.000 UL
12 LTb
13 3128 300 M
14 0 63 V
15 0 3009 R
16 0 -63 V
17 1.000 UL
18 LTb
19 1.000 UL
20 LTa
21 3823 300 M
22 0 3072 V
23 1.000 UL
24 LTb
25 3823 300 M
26 0 63 V
27 0 3009 R
28 0 -63 V
29 1.000 UL
30 LTb
31 1.000 UL
32 LTb
33 350 300 M
34 3820 0 V
35 0 3072 V
36 -3820 0 V
37 350 300 L
38 LTb
39 LTb
40 LTb
41 1.150 UP
42 1.150 UP
43 1.000 UL
44 LT0
45 LTb
46 LT0
47 350 326 Pls
48 350 326 Pls
49 351 351 Pls
50 351 351 Pls
51 469 812 Pls
52 469 812 Pls
53 853 1324 Pls
54 853 1324 Pls
55 1524 1836 Pls
56 1524 1836 Pls
57 2495 2348 Pls
58 2495 2348 Pls
59 3096 2604 Pls
60

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1
2
3 3096 2604 Pls
4 3426 2732 Pls
5 3426 2732 Pls
6 3776 2860 Pls
7 3776 2860 Pls
8 4146 2988 Pls
9 4145 2988 Pls
10 736 3259 Pls
11 1.150 UP
12 1.000 UL
13 LT1
14 LTb
15 LT1
16 356 377 Crs
17 360 402 Crs
18 360 402 Crs
19 372 454 Crs
20 372 454 Crs
21 390 505 Crs
22 390 505 Crs
23 415 556 Crs
24 415 556 Crs
25 506 684 Crs
26 506 684 Crs
27 644 812 Crs
28 644 812 Crs
29 834 940 Crs
30 834 940 Crs
31 1079 1068 Crs
32 1079 1068 Crs
33 1384 1196 Crs
34 1384 1196 Crs
35 1750 1324 Crs
36 1751 1324 Crs
37 2181 1452 Crs
38 2181 1452 Crs
39 2679 1580 Crs
40 2679 1580 Crs
41 3246 1708 Crs
42 3246 1708 Crs
43 3885 1836 Crs
44 3886 1836 Crs
45 1750 1324 Crs
46 1750 1324 Crs
47 2181 1452 Crs
48 2181 1452 Crs
49 2471 1529 Crs
50 2471 1529 Crs
51 2897 1631 Crs
52 2896 1631 Crs
53 3368 1734 Crs
54 3368 1734 Crs
55 3885 1836 Crs
56 3885 1836 Crs
57 736 3159 Crs
58 1.150 UP
59 1.000 UL
60

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1
2
3 LT2
4 LTb
5 LT2
6 352 326 Star
7 352 326 Star
8 352 326 Star
9 357 351 Star
10 357 351 Star
11 364 377 Star
12 364 377 Star
13 364 377 Star
14 364 377 Star
15 373 402 Star
16 373 402 Star
17 373 402 Star
18 373 402 Star
19 373 402 Star
20 373 402 Star
21 386 428 Star
22 386 428 Star
23 386 428 Star
24 386 428 Star
25 386 428 Star
26 403 454 Star
27 403 454 Star
28 403 454 Star
29 403 454 Star
30 403 454 Star
31 403 454 Star
32 424 479 Star
33 424 479 Star
34 424 479 Star
35 449 505 Star
36 449 505 Star
37 449 505 Star
38 449 505 Star
39 515 556 Star
40 515 556 Star
41 515 556 Star
42 515 556 Star
43 602 607 Star
44 602 607 Star
45 602 607 Star
46 602 607 Star
47 715 658 Star
48 715 658 Star
49 715 658 Star
50 714 658 Star
51 854 710 Star
52 854 710 Star
53 854 710 Star
54 853 710 Star
55 1022 761 Star
56 1022 761 Star
57 1022 761 Star
58 1022 761 Star
59
60

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1
2
3 1222 812 Star
4 1222 812 Star
5 1222 812 Star
6 1222 812 Star
7 1455 863 Star
8 1456 863 Star
9 1455 863 Star
10 1454 863 Star
11 1724 914 Star
12 1724 914 Star
13 1724 914 Star
14 1724 914 Star
15 2031 966 Star
16 2032 966 Star
17 2031 966 Star
18 2032 966 Star
19 2378 1017 Star
20 2378 1017 Star
21 2378 1017 Star
22 2376 1017 Star
23 2766 1068 Star
24 2763 1068 Star
25 2766 1068 Star
26 2768 1068 Star
27 3197 1119 Star
28 3197 1119 Star
29 3197 1119 Star
30 3197 1119 Star
31 3197 1119 Star
32 3197 1119 Star
33 3198 1119 Star
34 3430 1145 Star
35 3430 1145 Star
36 3430 1145 Star
37 3431 1145 Star
38 3674 1170 Star
39 3673 1170 Star
40 3674 1170 Star
41 3675 1170 Star
42 736 3059 Star
43 1.150 UP
44 1.000 UL
45 LT3
46 LTb
47 LT3
48 354 326 Box
49 354 326 Box
50 354 326 Box
51 354 326 Box
52 362 351 Box
53 362 351 Box
54 374 377 Box
55 374 377 Box
56 374 377 Box
57 374 377 Box
58 392 402 Box
59
60

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1
2
3 392 402 Box
4 416 428 Box
5 416 428 Box
6 448 454 Box
7 448 454 Box
8 539 505 Box
9 539 505 Box
10 539 505 Box
11 539 505 Box
12 539 505 Box
13 539 505 Box
14 539 505 Box
15 675 556 Box
16 676 556 Box
17 675 556 Box
18 675 556 Box
19 675 556 Box
20 675 556 Box
21 866 607 Box
22 866 607 Box
23 866 607 Box
24 865 607 Box
25 866 607 Box
26 867 607 Box
27 1120 658 Box
28 1121 658 Box
29 1120 658 Box
30 1119 658 Box
31 1447 710 Box
32 1448 710 Box
33 1447 710 Box
34 1447 710 Box
35 1641 735 Box
36 1641 735 Box
37 1641 735 Box
38 1857 761 Box
39 1855 761 Box
40 1857 761 Box
41 1856 761 Box
42 2096 786 Box
43 2094 786 Box
44 2096 786 Box
45 2098 786 Box
46 2359 812 Box
47 2359 812 Box
48 2359 812 Box
49 2358 812 Box
50 2648 838 Box
51 2651 838 Box
52 2648 838 Box
53 2645 838 Box
54 2964 863 Box
55 2961 863 Box
56 2964 863 Box
57 2963 863 Box
58 3307 889 Box
59 3303 889 Box
60

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1
2
3 3307 889 Box
4 3311 889 Box
5 3679 914 Box
6 3677 914 Box
7 3679 914 Box
8 3677 914 Box
9 4082 940 Box
10 4079 940 Box
11 4082 940 Box
12 4085 940 Box
13 736 2959 Box
14 1.150 UP
15 1.000 UL
16 LT4
17 LTb
18 LT4
19 357 326 BoxF
20 357 326 BoxF
21 369 351 BoxF
22 369 351 BoxF
23 387 377 BoxF
24 387 377 BoxF
25 413 402 BoxF
26 413 402 BoxF
27 451 428 BoxF
28 451 428 BoxF
29 501 454 BoxF
30 501 454 BoxF
31 567 479 BoxF
32 567 479 BoxF
33 651 505 BoxF
34 651 505 BoxF
35 756 530 BoxF
36 756 530 BoxF
37 885 556 BoxF
38 885 556 BoxF
39 1041 582 BoxF
40 1042 582 BoxF
41 1227 607 BoxF
42 1223 607 BoxF
43 1227 607 BoxF
44 1225 607 BoxF
45 1446 633 BoxF
46 1449 633 BoxF
47 1702 658 BoxF
48 1704 658 BoxF
49 1998 684 BoxF
50 2001 684 BoxF
51 2338 710 BoxF
52 2338 710 BoxF
53 2724 735 BoxF
54 2730 735 BoxF
55 3162 761 BoxF
56 3162 761 BoxF
57 3654 786 BoxF
58 3648 786 BoxF
59 736 2859 BoxF
60

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1
2
3 1.150 UP
4 1.000 UL
5 LT5
6 LTb
7 LT5
8 351 303 TriU
9 351 303 TriU
10 353 305 TriU
11 353 305 TriU
12 356 310 TriU
13 356 310 TriU
14 368 326 TriU
15 368 326 TriU
16 396 351 TriU
17 396 351 TriU
18 440 377 TriU
19 440 377 TriU
20 506 402 TriU
21 505 402 TriU
22 602 428 TriU
23 602 428 TriU
24 741 454 TriU
25 831 466 TriU
26 937 479 TriU
27 939 479 TriU
28 1062 492 TriU
29 1061 492 TriU
30 1209 505 TriU
31 1206 505 TriU
32 1380 518 TriU
33 1386 518 TriU
34 1580 530 TriU
35 1811 543 TriU
36 1808 543 TriU
37 2078 556 TriU
38 2076 556 TriU
39 2321 566 TriU
40 2319 566 TriU
41 2592 576 TriU
42 2588 576 TriU
43 2894 587 TriU
44 2890 587 TriU
45 3230 597 TriU
46 3215 597 TriU
47 3412 602 TriU
48 3425 602 TriU
49 3603 607 TriU
50 3598 607 TriU
51 3804 612 TriU
52 3802 612 TriU
53 4014 617 TriU
54 2079 556 TriU
55 2321 566 TriU
56 2319 566 TriU
57 2592 576 TriU
58 2586 576 TriU
59 2894 587 TriU
60

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1
2
3 2893 587 TriU
4 3230 597 TriU
5 3234 597 TriU
6 3412 602 TriU
7 3412 602 TriU
8 3603 607 TriU
9 3609 607 TriU
10 3804 612 TriU
11 3806 612 TriU
12 4017 617 TriU
13 4024 617 TriU
14 1575 530 TriU
15 739 454 TriU
16 736 2759 TriU
17 1.150 UP
18 1.000 UL
19 LT6
20 LTb
21 LT6
22 383 326 TriUF
23 383 326 TriUF
24 383 326 TriUF
25 383 326 TriUF
26 4057 556 TriUF
27 4090 556 TriUF
28 942 446 TriUF
29 942 446 TriUF
30 2365 519 TriUF
31 2366 519 TriUF
32 591 397 TriUF
33 2775 530 TriUF
34 3477 546 TriUF
35 3874 553 TriUF
36 736 2659 TriUF
37 1.150 UP
38 1.000 UL
39 LT7
40 LTb
41 LT7
42 1004 450 TriD
43 1004 450 TriD
44 2639 525 TriD
45 2639 525 TriD
46 3557 545 TriD
47 720 418 TriD
48 1004 450 TriD
49 1422 479 TriD
50 1421 479 TriD
51 1990 505 TriD
52 2863 530 TriD
53 614 400 TriD
54 3089 536 TriD
55 3607 546 TriD
56 614 400 TriD
57 1003 450 TriD
58 736 2559 TriD
59 1.150 UP
60

1
2
3 1.000 UL
4 LT8
5 LTb
6 LT8
7 2748 529 TriDF
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42 350 300 M
43 39 132 V
44 38 51 V
45 39 36 V
46 38 30 V
47 39 25 V
48 39 22 V
49 38 20 V
50 39 19 V
51 38 16 V
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54 39 14 V
55 39 13 V
56 38 13 V
57 39 12 V
58 38 11 V
59 39 11 V
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3 39 11 V
4 38 10 V
5 39 10 V
6 38 10 V
7 39 10 V
8 38 9 V
9 39 9 V
10 39 8 V
11 38 9 V
12 39 8 V
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23 39 3 V
24 38 4 V
25 39 4 V
26 38 4 V
27 39 3 V
28 1.000 UL
29 LT2
30 389 398 M
31 38 40 V
32 39 28 V
33 38 22 V
34 39 19 V
35 39 16 V
36 38 15 V
37 39 13 V
38 38 12 V
39 39 11 V
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43 38 9 V
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For Peer Review Only

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14 39 3 V
15 1.000 UL
16 LT2
17 350 300 M
18 39 79 V
19 38 34 V
20 39 23 V
21 38 19 V
22 39 16 V
23 39 13 V
24 38 12 V
25 39 11 V
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For Peer Review Only

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57 38 2 V
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For Peer Review Only

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3 1.000 UL
4 LT2
5 350 300 M
6 39 45 V
7 38 25 V
8 39 18 V
9 38 14 V
10 39 11 V
11 39 10 V
12 38 9 V
13 39 8 V
14 38 7 V
15 39 6 V
16 38 6 V
17 39 5 V
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For Peer Review Only

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For Peer Review Only

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11 39 0 V
12 1.000 UL
13 LT2
14 350 300 M
15 39 28 V
16 38 19 V
17 39 15 V
18 38 12 V
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For Peer Review Only

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45 38 1 V
46 39 1 V
47 38 0 V
48 39 1 V
49 38 1 V
50 39 0 V
51 39 1 V
52 38 1 V
53 39 0 V
54 38 1 V
55 39 1 V
56 1.000 UL
57 LTb
58 350 300 M
59
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```

1
2
3      3820 0 V
4      0 3072 V
5      -3820 0 V
6      350 300 L
7      1.150 UP
8      stroke
9      grestore
10     end
11     showpage
12     }}%
13     \put(550,2359){\rjust{\large HS}}%
14     \put(550,2459){\rjust{\large 288}}%
15     \put(550,2559){\rjust{\large 72}}%
16     \put(550,2659){\rjust{\large 36}}%
17     \put(550,2759){\rjust{\large 12}}%
18     \put(550,2859){\rjust{\large 7}}%
19     \put(550,2959){\rjust{\large 6}}%
20     \put(550,3059){\rjust{\large 5}}%
21     \put(550,3159){\rjust{\large 4}}%
22     \put(550,3259){\rjust{\large 3.3}}%
23     \put(2260,3522){\cjust{ }}%
24     \put(2260,50){\cjust{\large $P/P_{b}$ }}%
25     \put(100,1836){%
26     \special{ps: gsave currentpoint currentpoint translate
27     270 rotate neg exch neg exch translate}%
28     \cstack{\large $\zeta$ }%
29     \special{ps: currentpoint grestore moveto}%
30     }%
31     \put(3823,200){\cjust{\large 1}}%
32     \put(3128,200){\cjust{\large 0.8}}%
33     \put(2434,200){\cjust{\large 0.6}}%
34     \put(1739,200){\cjust{\large 0.4}}%
35     \put(1045,200){\cjust{\large 0.2}}%
36     \put(350,200){\cjust{\large 0}}%
37     \put(300,3372){\rjust{\large 6}}%
38     \put(300,2860){\rjust{\large 5}}%
39     \put(300,2348){\rjust{\large 4}}%
40     \put(300,1836){\rjust{\large 3}}%
41     \put(300,1324){\rjust{\large 2}}%
42     \put(300,812){\rjust{\large 1}}%
43     \put(300,300){\rjust{\large 0}}%
44     \endGNUPLOTpicture
45     \endgroup
46     \endinput
47
48
49
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```

```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure3.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:17:17 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3   hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5   hpt neg vpt 1.62 mul V
6   hpt 2 mul 0 V
7   hpt neg vpt -1.62 mul V closepath stroke
8   Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10  hpt neg vpt 1.62 mul V
11  hpt 2 mul 0 V
12  hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14  hpt neg vpt neg V hpt vpt neg V
15  hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18   closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21   closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23   hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27   2 copy vpt 0 90 arc closepath fill
28   vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30   2 copy vpt 90 180 arc closepath fill
31   vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33   2 copy vpt 0 180 arc closepath fill
34   vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36   2 copy vpt 180 270 arc closepath fill
37   vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39   2 copy vpt 0 90 arc
40   2 copy moveto
41   2 copy vpt 180 270 arc closepath fill
42   vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44   2 copy vpt 90 270 arc closepath fill
45   vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47   2 copy vpt 0 270 arc closepath fill
48   vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50   2 copy vpt 270 360 arc closepath fill
51   vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53   2 copy vpt 270 450 arc closepath fill
54   vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56   2 copy moveto
57   2 copy vpt 90 180 arc closepath fill
58   vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3      2 copy vpt 0 180 arc closepath fill
4      2 copy moveto
5      2 copy vpt 270 360 arc closepath fill
6      vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8      2 copy vpt 180 360 arc closepath fill
9      vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11      2 copy vpt 0 90 arc closepath fill
12      2 copy moveto
13      2 copy vpt 180 360 arc closepath fill
14      vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16      2 copy vpt 90 360 arc closepath fill
17      vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19      vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21      neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33      exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37      2 copy vpt Square fill
38      Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43      Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46      Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50      2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52      2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

```

```

1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

```



```

1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     400 300 M
47     3770 0 V
48     1.000 UL
49     LTb
50     400 300 M
51     63 0 V
52     3707 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     1.000 UL
57     LTa
58     400 859 M
59     3770 0 V
60     1.000 UL
61     LTb

```

1
2
3 400 859 M
4 63 0 V
5 3707 0 R
6 -63 0 V
7 1.000 UL
8 LTb
9 1.000 UL
10 LTa
11 400 1417 M
12 3770 0 V
13 1.000 UL
14 LTb
15 400 1417 M
16 63 0 V
17 3707 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 1.000 UL
22 LTa
23 400 1976 M
24 3770 0 V
25 1.000 UL
26 LTb
27 400 1976 M
28 63 0 V
29 3707 0 R
30 -63 0 V
31 1.000 UL
32 LTb
33 1.000 UL
34 LTa
35 400 2534 M
36 50 0 V
37 563 0 R
38 3157 0 V
39 1.000 UL
40 LTb
41 400 2534 M
42 63 0 V
43 3707 0 R
44 -63 0 V
45 1.000 UL
46 LTb
47 1.000 UL
48 LTa
49 400 3093 M
50 50 0 V
51 563 0 R
52 3157 0 V
53 1.000 UL
54 LTb
55 400 3093 M
56 63 0 V
57 3707 0 R
58 -63 0 V
59 1.000 UL
60

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1
2
3 LTb
4 1.000 UL
5 LTa
6 400 300 M
7 0 3072 V
8 1.000 UL
9 LTb
10 400 300 M
11 0 63 V
12 0 3009 R
13 0 -63 V
14 1.000 UL
15 LTb
16 1.000 UL
17 LTa
18 1056 300 M
19 0 3072 V
20 1.000 UL
21 LTb
22 1056 300 M
23 0 63 V
24 0 3009 R
25 0 -63 V
26 1.000 UL
27 LTb
28 1.000 UL
29 LTa
30 1711 300 M
31 0 3072 V
32 1.000 UL
33 LTb
34 1711 300 M
35 0 63 V
36 0 3009 R
37 0 -63 V
38 1.000 UL
39 LTb
40 1.000 UL
41 LTa
42 2367 300 M
43 0 3072 V
44 1.000 UL
45 LTb
46 2367 300 M
47 0 63 V
48 0 3009 R
49 0 -63 V
50 1.000 UL
51 LTb
52 1.000 UL
53 LTa
54 3023 300 M
55 0 3072 V
56 1.000 UL
57 LTb
58 3023 300 M
59 0 63 V
60

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1
2
3 0 3009 R
4 0 -63 V
5 1.000 UL
6 LTb
7 1.000 UL
8 LTa
9 3678 300 M
10 0 3072 V
11 1.000 UL
12 LTb
13 3678 300 M
14 0 63 V
15 0 3009 R
16 0 -63 V
17 1.000 UL
18 LTb
19 1.000 UL
20 LTb
21 400 300 M
22 3770 0 V
23 0 3072 V
24 -3770 0 V
25 400 300 L
26 LTb
27 LTb
28 LTb
29 1.000 UP
30 1.200 UP
31 1.000 UL
32 LT0
33 LTb
34 LT0
35 465 306 Pls
36 465 305 Pls
37 1048 340 Pls
38 1048 339 Pls
39 1696 389 Pls
40 1696 389 Pls
41 2344 458 Pls
42 2344 460 Pls
43 2992 575 Pls
44 2992 565 Pls
45 3315 641 Pls
46 3315 638 Pls
47 3477 681 Pls
48 3477 678 Pls
49 3639 722 Pls
50 3639 729 Pls
51 3801 763 Pls
52 3801 771 Pls
53 3963 827 Pls
54 3963 818 Pls
55 4125 886 Pls
56 4125 878 Pls
57 831 3259 Pls
58 1.200 UP
59 1.000 UL
60

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1
2
3 LT1
4 LTb
5 LT1
6 565 588 Crs
7 620 591 Crs
8 620 590 Crs
9 730 595 Crs
10 730 595 Crs
11 840 601 Crs
12 840 601 Crs
13 950 604 Crs
14 950 603 Crs
15 1225 620 Crs
16 1225 615 Crs
17 1500 634 Crs
18 1500 635 Crs
19 1775 652 Crs
20 1775 658 Crs
21 2050 683 Crs
22 2050 688 Crs
23 2325 716 Crs
24 2325 707 Crs
25 2600 761 Crs
26 2600 737 Crs
27 2875 802 Crs
28 2875 816 Crs
29 3150 855 Crs
30 3150 839 Crs
31 3425 934 Crs
32 3425 931 Crs
33 3700 1001 Crs
34 3700 1022 Crs
35 3975 1172 Crs
36 3975 1189 Crs
37 2600 743 Crs
38 2600 745 Crs
39 2875 804 Crs
40 2875 781 Crs
41 3040 819 Crs
42 3040 839 Crs
43 3260 884 Crs
44 3260 928 Crs
45 3480 960 Crs
46 3480 967 Crs
47 3700 1029 Crs
48 3700 1041 Crs
49 3920 1136 Crs
50 3920 1186 Crs
51 4140 1234 Crs
52 4140 1336 Crs
53 488 583 Crs
54 488 583 Crs
55 488 583 Crs
56 488 583 Crs
57 455 582 Crs
58 510 585 Crs
59 510 585 Crs
60

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1
2
3 422 585 Crs
4 422 585 Crs
5 422 585 Crs
6 422 585 Crs
7 444 584 Crs
8 444 584 Crs
9 444 584 Crs
10 444 584 Crs
11 466 583 Crs
12 466 583 Crs
13 466 583 Crs
14 466 583 Crs
15 831 3159 Crs
16 1.200 UP
17 1.000 UL
18 LT2
19 LTb
20 LT2
21 495 862 Star
22 495 862 Star
23 495 862 Star
24 589 865 Star
25 589 865 Star
26 684 868 Star
27 684 868 Star
28 684 868 Star
29 684 868 Star
30 779 871 Star
31 779 871 Star
32 779 871 Star
33 779 871 Star
34 779 870 Star
35 874 874 Star
36 874 873 Star
37 874 873 Star
38 874 875 Star
39 874 874 Star
40 968 877 Star
41 968 876 Star
42 968 877 Star
43 968 877 Star
44 968 877 Star
45 968 876 Star
46 1063 881 Star
47 1063 878 Star
48 1063 879 Star
49 1063 879 Star
50 1158 884 Star
51 1158 884 Star
52 1158 883 Star
53 1158 883 Star
54 1347 890 Star
55 1347 891 Star
56 1347 890 Star
57 1347 889 Star
58 1537 900 Star
59
60

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1
2
3 1537 900 Star
4 1537 900 Star
5 1537 900 Star
6 1726 909 Star
7 1726 908 Star
8 1726 912 Star
9 1726 908 Star
10 1916 920 Star
11 1916 920 Star
12 1916 922 Star
13 1916 925 Star
14 2105 937 Star
15 2105 939 Star
16 2105 943 Star
17 2105 935 Star
18 2295 954 Star
19 2295 949 Star
20 2295 961 Star
21 2295 954 Star
22 2484 976 Star
23 2484 967 Star
24 2484 985 Star
25 2484 974 Star
26 2674 1004 Star
27 2674 1003 Star
28 2674 1001 Star
29 2674 996 Star
30 2863 1032 Star
31 2863 1030 Star
32 2863 1040 Star
33 2863 1036 Star
34 3053 1079 Star
35 3053 1068 Star
36 3053 1083 Star
37 3053 1065 Star
38 3242 1111 Star
39 3242 1141 Star
40 3242 1136 Star
41 3242 1106 Star
42 3432 1202 Star
43 3432 1165 Star
44 3432 1173 Star
45 3432 1159 Star
46 3432 1165 Star
47 3432 1188 Star
48 3432 1172 Star
49 3432 1156 Star
50 3527 1219 Star
51 3527 1203 Star
52 3527 1226 Star
53 3527 1202 Star
54 3621 1291 Star
55 3621 1276 Star
56 3621 1242 Star
57 3621 1259 Star
58 3811 1311 Star
59 3811 1378 Star
60

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1
2
3 3811 1325 Star
4 3811 1367 Star
5 4000 1495 Star
6 4000 1548 Star
7 4000 1496 Star
8 4000 1483 Star
9 4095 1576 Star
10 4095 1597 Star
11 4095 1531 Star
12 4095 1536 Star
13 831 3059 Star
14 1.200 UP
15 1.000 UL
16 LT3
17 LTb
18 LT3
19 534 1141 Box
20 534 1141 Box
21 534 1141 Box
22 534 1141 Box
23 669 1144 Box
24 669 1144 Box
25 803 1147 Box
26 803 1148 Box
27 803 1148 Box
28 803 1148 Box
29 937 1151 Box
30 937 1151 Box
31 1072 1154 Box
32 1072 1154 Box
33 1206 1158 Box
34 1206 1158 Box
35 1475 1166 Box
36 1475 1166 Box
37 1475 1167 Box
38 1475 1167 Box
39 1475 1166 Box
40 1475 1166 Box
41 1744 1175 Box
42 1744 1178 Box
43 1744 1178 Box
44 1744 1177 Box
45 1744 1178 Box
46 1744 1175 Box
47 2012 1192 Box
48 2012 1192 Box
49 2012 1189 Box
50 2012 1192 Box
51 2012 1191 Box
52 2012 1192 Box
53 2281 1210 Box
54 2281 1211 Box
55 2281 1213 Box
56 2281 1211 Box
57 2550 1234 Box
58 2550 1239 Box
59
60

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1
2
3 2550 1246 Box
4 2550 1236 Box
5 2684 1248 Box
6 2684 1257 Box
7 2684 1254 Box
8 2684 1257 Box
9 2818 1266 Box
10 2818 1275 Box
11 2818 1275 Box
12 2818 1276 Box
13 2953 1297 Box
14 2953 1286 Box
15 2953 1289 Box
16 2953 1288 Box
17 3087 1319 Box
18 3087 1313 Box
19 3087 1311 Box
20 3087 1316 Box
21 3221 1356 Box
22 3221 1352 Box
23 3221 1349 Box
24 3221 1348 Box
25 3356 1391 Box
26 3356 1386 Box
27 3356 1393 Box
28 3356 1370 Box
29 3490 1423 Box
30 3490 1440 Box
31 3490 1438 Box
32 3490 1418 Box
33 3625 1465 Box
34 3625 1494 Box
35 3625 1529 Box
36 3625 1508 Box
37 3759 1556 Box
38 3759 1576 Box
39 3759 1538 Box
40 3759 1552 Box
41 3893 1639 Box
42 3893 1669 Box
43 3893 1645 Box
44 3893 1693 Box
45 4028 1724 Box
46 4028 1721 Box
47 4028 1751 Box
48 4028 1781 Box
49 4162 1890 Box
50 4162 1928 Box
51 4162 1923 Box
52 4162 1897 Box
53 831 2959 Box
54 1.200 UP
55 1.000 UL
56 LT4
57 LTb
58 LT4
59 570 1420 BoxF
60

1
2
3 570 1420 BoxF
4 739 1424 BoxF
5 739 1424 BoxF
6 909 1427 BoxF
7 909 1427 BoxF
8 1078 1430 BoxF
9 1078 1431 BoxF
10 1248 1434 BoxF
11 1248 1435 BoxF
12 1417 1439 BoxF
13 1417 1439 BoxF
14 1587 1443 BoxF
15 1587 1444 BoxF
16 1756 1450 BoxF
17 1756 1450 BoxF
18 1926 1457 BoxF
19 1926 1457 BoxF
20 2095 1466 BoxF
21 2095 1465 BoxF
22 2265 1476 BoxF
23 2265 1475 BoxF
24 2434 1488 BoxF
25 2434 1491 BoxF
26 2434 1489 BoxF
27 2434 1490 BoxF
28 2604 1503 BoxF
29 2604 1501 BoxF
30 2773 1523 BoxF
31 2773 1517 BoxF
32 2943 1546 BoxF
33 2943 1543 BoxF
34 3112 1575 BoxF
35 3112 1574 BoxF
36 3282 1614 BoxF
37 3282 1603 BoxF
38 3451 1660 BoxF
39 3451 1662 BoxF
40 3621 1724 BoxF
41 3621 1741 BoxF
42 3790 1816 BoxF
43 3790 1814 BoxF
44 3960 1939 BoxF
45 831 2859 BoxF
46 1.200 UP
47 1.000 UL
48 LT5
49 LTb
50 LT5
51 598 1699 Circle
52 598 1699 Circle
53 995 1707 Circle
54 995 1707 Circle
55 598 1699 Circle
56 598 1699 Circle
57 797 1703 Circle
58 797 1703 Circle
59 995 1707 Circle
60

1
2
3 995 1707 Circle
4 1194 1710 Circle
5 1194 1710 Circle
6 1591 1720 Circle
7 1591 1719 Circle
8 1988 1733 Circle
9 1988 1733 Circle
10 2186 1742 Circle
11 2186 1743 Circle
12 2384 1753 Circle
13 2384 1755 Circle
14 2583 1770 Circle
15 2583 1770 Circle
16 2781 1789 Circle
17 2781 1786 Circle
18 2980 1814 Circle
19 2980 1813 Circle
20 3178 1848 Circle
21 3178 1848 Circle
22 3178 1847 Circle
23 3377 1897 Circle
24 3377 1894 Circle
25 3575 1964 Circle
26 3575 1956 Circle
27 3774 2067 Circle
28 3774 2070 Circle
29 3972 2225 Circle
30 3972 2221 Circle
31 831 2759 Circle
32 1.200 UP
33 1.000 UL
34 LT6
35 LTb
36 LT6
37 427 1975 TriUF
38 427 1975 TriUF
39 454 1976 TriUF
40 454 1976 TriUF
41 507 1977 TriUF
42 507 1977 TriUF
43 669 1979 TriUF
44 669 1979 TriUF
45 937 1982 TriUF
46 937 1982 TriUF
47 1206 1986 TriUF
48 1206 1986 TriUF
49 1475 1991 TriUF
50 1475 1991 TriUF
51 1744 1996 TriUF
52 1744 1996 TriUF
53 2012 2003 TriUF
54 2147 2008 TriUF
55 2281 2013 TriUF
56 2281 2012 TriUF
57 2415 2019 TriUF
58 2415 2019 TriUF
59 2550 2026 TriUF
60

1
2
3 2550 2027 TriUF
4 2684 2035 TriUF
5 2684 2034 TriUF
6 2818 2056 TriUF
7 2953 2059 TriUF
8 2953 2060 TriUF
9 3087 2076 TriUF
10 3087 2077 TriUF
11 3195 2093 TriUF
12 3195 2095 TriUF
13 3302 2114 TriUF
14 3302 2116 TriUF
15 3410 2141 TriUF
16 3410 2142 TriUF
17 3517 2175 TriUF
18 3517 2185 TriUF
19 3571 2194 TriUF
20 3571 2190 TriUF
21 3625 2221 TriUF
22 3625 2221 TriUF
23 3678 2248 TriUF
24 3678 2250 TriUF
25 3732 2282 TriUF
26 3786 2316 TriUF
27 3786 2329 TriUF
28 3839 2374 TriUF
29 3839 2365 TriUF
30 3893 2415 TriUF
31 3893 2418 TriUF
32 3947 2492 TriUF
33 3947 2486 TriUF
34 4001 2566 TriUF
35 4001 2546 TriUF
36 4054 2671 TriUF
37 4054 2614 TriUF
38 4108 2795 TriUF
39 3087 2074 TriUF
40 3195 2092 TriUF
41 3195 2093 TriUF
42 3302 2114 TriUF
43 3302 2115 TriUF
44 3410 2137 TriUF
45 3410 2138 TriUF
46 3517 2173 TriUF
47 3517 2172 TriUF
48 3571 2192 TriUF
49 3571 2193 TriUF
50 3625 2217 TriUF
51 3625 2214 TriUF
52 3678 2241 TriUF
53 3678 2245 TriUF
54 3732 2278 TriUF
55 3732 2272 TriUF
56 3786 2315 TriUF
57 3786 2323 TriUF
58 3839 2356 TriUF
59 3839 2346 TriUF
60

1
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3 3893 2415 TriUF
4 3893 2415 TriUF
5 3947 2467 TriUF
6 3947 2475 TriUF
7 4001 2561 TriUF
8 4001 2535 TriUF
9 4054 2667 TriUF
10 4054 2698 TriUF
11 4108 2810 TriUF
12 4108 2796 TriUF
13 2818 2046 TriUF
14 2012 2004 TriUF
15 831 2659 TriUF
16 1.200 UP
17 1.000 UL
18 LT7
19 LTb
20 LT7
21 466 2255 Dia
22 732 2258 Dia
23 1065 2262 Dia
24 1397 2266 Dia
25 1730 2271 Dia
26 2062 2277 Dia
27 2229 2281 Dia
28 2395 2286 Dia
29 2561 2292 Dia
30 2727 2300 Dia
31 2894 2310 Dia
32 3060 2327 Dia
33 3126 2335 Dia
34 3193 2345 Dia
35 3259 2357 Dia
36 3326 2370 Dia
37 3392 2385 Dia
38 3459 2408 Dia
39 3525 2435 Dia
40 3592 2464 Dia
41 3658 2508 Dia
42 3725 2569 Dia
43 3791 2667 Dia
44 2727 2304 Dia
45 2894 2316 Dia
46 3060 2331 Dia
47 3126 2342 Dia
48 3193 2350 Dia
49 3259 2364 Dia
50 3326 2375 Dia
51 3392 2392 Dia
52 3459 2413 Dia
53 3525 2441 Dia
54 3592 2473 Dia
55 3625 2487 Dia
56 3658 2503 Dia
57 3725 2576 Dia
58 3758 2619 Dia
59 3791 2664 Dia
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3 3825 2745 Dia
4 3858 2794 Dia
5 3891 2897 Dia
6 3924 3020 Dia
7 3958 3230 Dia
8 2727 2302 Dia
9 2894 2314 Dia
10 3060 2332 Dia
11 3126 2340 Dia
12 3259 2360 Dia
13 3326 2373 Dia
14 3392 2392 Dia
15 831 2559 Dia
16 1.000 UL
17 LT8
18 400 300 M
19 38 0 V
20 38 0 V
21 38 1 V
22 38 0 V
23 38 1 V
24 38 0 V
25 39 1 V
26 38 1 V
27 38 1 V
28 38 1 V
29 38 2 V
30 38 1 V
31 38 2 V
32 38 2 V
33 38 2 V
34 38 2 V
35 38 2 V
36 39 2 V
37 38 3 V
38 38 2 V
39 38 3 V
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42 38 3 V
43 38 3 V
44 38 3 V
45 38 3 V
46 38 4 V
47 38 3 V
48 39 4 V
49 38 4 V
50 38 4 V
51 38 4 V
52 38 4 V
53 38 4 V
54 38 5 V
55 38 4 V
56 38 5 V
57 38 4 V
58 38 5 V
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For Peer Review Only

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3 38 5 V
4 38 5 V
5 39 6 V
6 38 5 V
7 38 5 V
8 38 6 V
9 38 6 V
10 38 5 V
11 38 6 V
12 38 6 V
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14 38 6 V
15 38 7 V
16 38 6 V
17 39 7 V
18 38 6 V
19 38 7 V
20 38 7 V
21 38 7 V
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23 38 7 V
24 38 8 V
25 38 7 V
26 38 7 V
27 38 8 V
28 38 8 V
29 38 8 V
30 39 8 V
31 38 8 V
32 38 8 V
33 38 8 V
34 38 9 V
35 38 9 V
36 38 8 V
37 38 9 V
38 38 9 V
39 38 9 V
40 38 9 V
41 39 9 V
42 38 10 V
43 38 9 V
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45 38 9 V
46 38 10 V
47 38 10 V
48 38 10 V
49 38 10 V
50 38 10 V
51 38 10 V
52 38 10 V
53 39 11 V
54 38 10 V
55 38 11 V
56 38 11 V
57 38 11 V
58 38 11 V
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For Peer Review Only

1
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3 38 11 V
4 1.000 UL
5 LT0
6 400 579 M
7 38 0 V
8 38 0 V
9 38 1 V
10 38 0 V
11 38 0 V
12 38 1 V
13 39 0 V
14 38 1 V
15 38 0 V
16 38 1 V
17 38 1 V
18 38 1 V
19 38 1 V
20 38 1 V
21 38 1 V
22 38 1 V
23 38 1 V
24 38 2 V
25 39 1 V
26 38 2 V
27 38 1 V
28 38 2 V
29 38 2 V
30 38 2 V
31 38 2 V
32 38 2 V
33 38 3 V
34 38 2 V
35 38 3 V
36 39 3 V
37 38 3 V
38 38 3 V
39 38 3 V
40 38 3 V
41 38 3 V
42 38 4 V
43 38 3 V
44 38 4 V
45 38 4 V
46 38 4 V
47 38 4 V
48 38 4 V
49 39 5 V
50 38 4 V
51 38 5 V
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53 38 5 V
54 38 5 V
55 38 5 V
56 38 6 V
57 38 6 V
58 38 5 V
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For Peer Review Only

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3 38 6 V
4 38 7 V
5 39 6 V
6 38 7 V
7 38 6 V
8 38 7 V
9 38 8 V
10 38 7 V
11 38 8 V
12 38 8 V
13 38 8 V
14 38 8 V
15 38 8 V
16 38 9 V
17 38 9 V
18 39 9 V
19 38 10 V
20 38 10 V
21 38 10 V
22 38 10 V
23 38 11 V
24 38 10 V
25 38 12 V
26 38 11 V
27 38 12 V
28 38 12 V
29 38 12 V
30 39 13 V
31 38 13 V
32 38 14 V
33 38 14 V
34 38 14 V
35 38 15 V
36 38 16 V
37 38 15 V
38 38 17 V
39 38 16 V
40 38 17 V
41 39 18 V
42 38 18 V
43 38 19 V
44 38 19 V
45 38 19 V
46 38 20 V
47 38 21 V
48 1.000 UL
49 LT1
50 400 859 M
51 38 0 V
52 38 0 V
53 38 0 V
54 38 0 V
55 38 0 V
56 38 0 V
57 39 1 V
58 38 0 V
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3 38 0 V
4 38 1 V
5 38 0 V
6 38 1 V
7 38 1 V
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12 38 1 V
13 39 1 V
14 38 1 V
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16 38 1 V
17 38 1 V
18 38 2 V
19 38 1 V
20 38 1 V
21 38 2 V
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37 38 4 V
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45 38 5 V
46 38 5 V
47 38 4 V
48 38 5 V
49 38 6 V
50 39 5 V
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53 38 6 V
54 38 7 V
55 38 6 V
56 38 7 V
57 38 7 V
58 38 8 V
59 38 7 V
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For Peer Review Only

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3 38 8 V
4 38 8 V
5 38 9 V
6 39 9 V
7 38 9 V
8 38 10 V
9 38 10 V
10 38 10 V
11 38 11 V
12 38 11 V
13 38 12 V
14 38 12 V
15 38 13 V
16 38 14 V
17 38 14 V
18 39 14 V
19 38 15 V
20 38 16 V
21 38 17 V
22 38 17 V
23 38 18 V
24 38 19 V
25 38 20 V
26 38 21 V
27 38 22 V
28 38 23 V
29 38 24 V
30 39 26 V
31 38 27 V
32 38 28 V
33 38 30 V
34 38 31 V
35 38 33 V
36 38 36 V
37 1.000 UL
38 LT2
39 400 1138 M
40 38 0 V
41 38 0 V
42 38 0 V
43 38 0 V
44 38 0 V
45 39 1 V
46 38 0 V
47 38 0 V
48 38 1 V
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For Peer Review Only

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3 38 1 V
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43 38 5 V
44 38 6 V
45 38 7 V
46 38 6 V
47 38 7 V
48 38 7 V
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52 38 8 V
53 38 9 V
54 38 10 V
55 38 10 V
56 38 10 V
57 38 11 V
58 38 11 V
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For Peer Review Only

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3 38 12 V
4 38 13 V
5 38 13 V
6 39 14 V
7 38 15 V
8 38 16 V
9 38 16 V
10 38 18 V
11 38 18 V
12 38 20 V
13 38 20 V
14 38 22 V
15 38 24 V
16 38 25 V
17 38 27 V
18 39 28 V
19 38 31 V
20 38 33 V
21 38 35 V
22 38 38 V
23 38 41 V
24 38 45 V
25 1.000 UL
26 LT3
27 400 1417 M
28 38 0 V
29 38 0 V
30 38 0 V
31 38 0 V
32 38 1 V
33 39 0 V
34 38 0 V
35 38 0 V
36 38 0 V
37 38 1 V
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57 39 2 V
58 38 1 V
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26 39 4 V
27 38 4 V
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29 38 4 V
30 38 5 V
31 38 5 V
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34 38 6 V
35 38 6 V
36 38 6 V
37 38 7 V
38 39 7 V
39 38 7 V
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41 38 8 V
42 38 9 V
43 38 9 V
44 38 9 V
45 38 10 V
46 38 10 V
47 38 11 V
48 38 11 V
49 38 13 V
50 39 12 V
51 38 14 V
52 38 15 V
53 38 15 V
54 38 16 V
55 38 18 V
56 38 18 V
57 38 20 V
58 38 21 V
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For Peer Review Only

1
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3 38 23 V
4 38 25 V
5 38 26 V
6 39 29 V
7 38 31 V
8 38 33 V
9 38 37 V
10 38 40 V
11 38 44 V
12 38 48 V
13 1.000 UL
14 LT4
15 400 1696 M
16 38 0 V
17 38 0 V
18 38 0 V
19 38 1 V
20 38 0 V
21 38 0 V
22 39 0 V
23 38 0 V
24 38 0 V
25 38 0 V
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34 39 1 V
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36 38 1 V
37 38 1 V
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46 39 1 V
47 38 1 V
48 38 1 V
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53 38 2 V
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57 38 2 V
58 39 2 V
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For Peer Review Only

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24 38 6 V
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26 38 6 V
27 39 7 V
28 38 6 V
29 38 7 V
30 38 8 V
31 38 7 V
32 38 9 V
33 38 8 V
34 38 10 V
35 38 10 V
36 38 10 V
37 38 11 V
38 38 12 V
39 39 13 V
40 38 14 V
41 38 14 V
42 38 16 V
43 38 17 V
44 38 18 V
45 38 19 V
46 38 22 V
47 38 23 V
48 38 25 V
49 38 28 V
50 38 30 V
51 39 33 V
52 38 37 V
53 38 41 V
54 38 46 V
55 38 52 V
56 38 58 V
57 38 67 V
58 1.000 UL
59 LT5
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For Peer Review Only

1
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3 400 1976 M
4 38 0 V
5 38 0 V
6 38 0 V
7 38 0 V
8 38 0 V
9 38 0 V
10 39 0 V
11 38 0 V
12 38 0 V
13 38 0 V
14 38 1 V
15 38 0 V
16 38 0 V
17 38 0 V
18 38 0 V
19 38 1 V
20 38 0 V
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45 38 2 V
46 39 1 V
47 38 1 V
48 38 2 V
49 38 2 V
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56 38 2 V
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58 39 3 V
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For Peer Review Only

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11 38 4 V
12 38 4 V
13 38 5 V
14 38 4 V
15 39 6 V
16 38 5 V
17 38 6 V
18 38 6 V
19 38 6 V
20 38 7 V
21 38 8 V
22 38 8 V
23 38 9 V
24 38 9 V
25 38 10 V
26 38 11 V
27 39 12 V
28 38 13 V
29 38 15 V
30 38 15 V
31 38 18 V
32 38 19 V
33 38 21 V
34 38 24 V
35 38 27 V
36 38 30 V
37 38 35 V
38 38 39 V
39 39 47 V
40 38 54 V
41 38 65 V
42 38 79 V
43 38 98 V
44 38 123 V
45 38 162 V
46 1.000 UL
47 LT6
48 400 2255 M
49 38 0 V
50 38 0 V
51 38 0 V
52 38 0 V
53 38 0 V
54 39 0 V
55 38 0 V
56 38 0 V
57 38 0 V
58 38 1 V
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For Peer Review Only

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3 38 0 V
4 38 0 V
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8 38 0 V
9 38 1 V
10 39 0 V
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12 38 0 V
13 38 1 V
14 38 0 V
15 38 0 V
16 38 1 V
17 38 0 V
18 38 0 V
19 38 1 V
20 38 0 V
21 38 1 V
22 39 0 V
23 38 1 V
24 38 0 V
25 38 1 V
26 38 0 V
27 38 1 V
28 38 1 V
29 38 0 V
30 38 1 V
31 38 1 V
32 38 1 V
33 38 1 V
34 39 1 V
35 38 1 V
36 38 1 V
37 38 1 V
38 38 1 V
39 38 1 V
40 38 2 V
41 38 1 V
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43 38 1 V
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46 39 2 V
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For Peer Review Only

1
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 3 39 4 V
 4 38 5 V
 5 38 5 V
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 7 38 6 V
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 9 38 7 V
 10 38 8 V
 11 38 9 V
 12 38 10 V
 13 38 11 V
 14 38 13 V
 15 39 14 V
 16 38 15 V
 17 38 18 V
 18 38 21 V
 19 38 24 V
 20 38 29 V
 21 38 34 V
 22 38 41 V
 23 38 52 V
 24 38 65 V
 25 38 86 V
 26 38 117 V
 27 39 171 V
 28 38 271 V
 29 1.000 UL
 30 LTb
 31 400 300 M
 32 3770 0 V
 33 0 3072 V
 34 -3770 0 V
 35 400 300 L
 36 1.000 UP
 37 stroke
 38 grestore
 39 end
 40 showpage
 41 }}%
 42 \put(650,2559){\rjust{\large HS }}%
 43 \put(650,2659){\rjust{\large 12 }}%
 44 \put(650,2759){\rjust{\large 8 }}%
 45 \put(650,2859){\rjust{\large 7 }}%
 46 \put(650,2959){\rjust{\large 6 }}%
 47 \put(650,3059){\rjust{\large 5 }}%
 48 \put(650,3159){\rjust{\large 4 }}%
 49 \put(650,3259){\rjust{\large 3.3 }}%
 50 \put(2285,3522){\cjust{ }}%
 51 \put(2285,50){\cjust{\large \$\zeta/\zeta_{b}\$ }}%
 52 \put(100,1836){%
 53 \special{ps: gsave currentpoint currentpoint translate
 270 rotate neg exch neg exch translate}%
 54 \cstack{\large \$D_{B}/D\$ }%
 55 \special{ps: currentpoint grestore moveto}%
 56 }%
 57 \put(3678,200){\cjust{\large 1}}%
 58 \put(3023,200){\cjust{\large 0.8}}%
 59
 60

```
1
2
3   \put (2367,200) {\cjust{\large 0.6}}%
4   \put (1711,200) {\cjust{\large 0.4}}%
5   \put (1056,200) {\cjust{\large 0.2}}%
6   \put (400,200) {\cjust{\large 0}}%
7   \put (350,3093) {\rjust{\large 50}}%
8   \put (350,2534) {\rjust{\large 40}}%
9   \put (350,1976) {\rjust{\large 30}}%
10  \put (350,1417) {\rjust{\large 20}}%
11  \put (350,859) {\rjust{\large 10}}%
12  \put (350,300) {\rjust{\large 0}}%
13  \endGNUPLOTpicture
14  \endgroup
15  \endinput
```

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```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure5.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:18:04 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18     closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21     closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23     hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27     2 copy vpt 0 90 arc closepath fill
28     vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30     2 copy vpt 90 180 arc closepath fill
31     vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33     2 copy vpt 0 180 arc closepath fill
34     vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36     2 copy vpt 180 270 arc closepath fill
37     vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39     2 copy vpt 0 90 arc
40     2 copy moveto
41     2 copy vpt 180 270 arc closepath fill
42     vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44     2 copy vpt 90 270 arc closepath fill
45     vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47     2 copy vpt 0 270 arc closepath fill
48     vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50     2 copy vpt 270 360 arc closepath fill
51     vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53     2 copy vpt 270 450 arc closepath fill
54     vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56     2 copy moveto
57     2 copy vpt 90 180 arc closepath fill
58     vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```



```

1
2
3      2 copy vpt 0 180 arc closepath fill
4      2 copy moveto
5      2 copy vpt 270 360 arc closepath fill
6      vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8      2 copy vpt 180 360 arc closepath fill
9      vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11      2 copy vpt 0 90 arc closepath fill
12      2 copy moveto
13      2 copy vpt 180 360 arc closepath fill
14      vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16      2 copy vpt 90 360 arc closepath fill
17      vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19      vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21      neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33      exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37      2 copy vpt Square fill
38      Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43      Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46      Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50      2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52      2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

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1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

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1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     450 300 M
47     3720 0 V
48     1.000 UL
49     LTb
50     450 300 M
51     63 0 V
52     3657 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     1.000 UL
57     LTa
58     450 914 M
59     3720 0 V
60     1.000 UL
61     LTb

```

1
2
3 450 914 M
4 63 0 V
5 3657 0 R
6 -63 0 V
7 1.000 UL
8 LTb
9 1.000 UL
10 LTa
11 450 1529 M
12 3720 0 V
13 1.000 UL
14 LTb
15 450 1529 M
16 63 0 V
17 3657 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 1.000 UL
22 LTa
23 450 2143 M
24 3720 0 V
25 1.000 UL
26 LTb
27 450 2143 M
28 63 0 V
29 3657 0 R
30 -63 0 V
31 1.000 UL
32 LTb
33 1.000 UL
34 LTa
35 450 2758 M
36 50 0 V
37 563 0 R
38 3107 0 V
39 1.000 UL
40 LTb
41 450 2758 M
42 63 0 V
43 3657 0 R
44 -63 0 V
45 1.000 UL
46 LTb
47 1.000 UL
48 LTa
49 450 3372 M
50 3720 0 V
51 1.000 UL
52 LTb
53 450 3372 M
54 63 0 V
55 3657 0 R
56 -63 0 V
57 1.000 UL
58 LTb
59 1.000 UL
60

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1
2
3 LTa
4 450 300 M
5 0 3072 V
6 1.000 UL
7 LTb
8 450 300 M
9 0 63 V
10 0 3009 R
11 0 -63 V
12 1.000 UL
13 LTb
14 1.000 UL
15 LTa
16 1126 300 M
17 0 3072 V
18 1.000 UL
19 LTb
20 1126 300 M
21 0 63 V
22 0 3009 R
23 0 -63 V
24 1.000 UL
25 LTb
26 1.000 UL
27 LTa
28 1803 300 M
29 0 3072 V
30 1.000 UL
31 LTb
32 1803 300 M
33 0 63 V
34 0 3009 R
35 0 -63 V
36 1.000 UL
37 LTb
38 1.000 UL
39 LTa
40 2479 300 M
41 0 3072 V
42 1.000 UL
43 LTb
44 2479 300 M
45 0 63 V
46 0 3009 R
47 0 -63 V
48 1.000 UL
49 LTb
50 1.000 UL
51 LTa
52 3155 300 M
53 0 3072 V
54 1.000 UL
55 LTb
56 3155 300 M
57 0 63 V
58 0 3009 R
59 0 -63 V
60

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1
2
3 1.000 UL
4 LTb
5 1.000 UL
6 LTa
7 3832 300 M
8 0 3072 V
9 1.000 UL
10 LTb
11 3832 300 M
12 0 63 V
13 0 3009 R
14 0 -63 V
15 1.000 UL
16 LTb
17 1.000 UL
18 LTb
19 450 300 M
20 3720 0 V
21 0 3072 V
22 -3720 0 V
23 450 300 L
24 LTb
25 LTb
26 LTb
27 1.000 UP
28 1.200 UP
29 1.000 UL
30 LT0
31 LTb
32 LT0
33 517 306 Pls
34 517 307 Pls
35 1120 328 Pls
36 1120 325 Pls
37 1789 372 Pls
38 1789 389 Pls
39 2459 456 Pls
40 2459 478 Pls
41 3129 616 Pls
42 3129 584 Pls
43 3464 688 Pls
44 3464 744 Pls
45 3631 791 Pls
46 3631 768 Pls
47 3798 833 Pls
48 3798 853 Pls
49 3966 979 Pls
50 3966 1028 Pls
51 4133 1000 Pls
52 4133 989 Pls
53 881 3259 Pls
54 1.200 UP
55 1.000 UL
56 LT1
57 LTb
58 LT1
59 620 676 Crs
60

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1
2
3 677 677 Crs
4 677 676 Crs
5 790 679 Crs
6 790 680 Crs
7 904 683 Crs
8 904 679 Crs
9 1017 682 Crs
10 1017 683 Crs
11 1301 694 Crs
12 1301 696 Crs
13 1585 713 Crs
14 1585 714 Crs
15 1869 731 Crs
16 1869 741 Crs
17 2152 758 Crs
18 2152 750 Crs
19 2436 795 Crs
20 2436 811 Crs
21 2720 845 Crs
22 2720 846 Crs
23 3003 917 Crs
24 3003 910 Crs
25 3287 994 Crs
26 3287 984 Crs
27 3571 1055 Crs
28 3571 1090 Crs
29 3855 1482 Crs
30 3855 1225 Crs
31 4138 2037 Crs
32 4138 1364 Crs
33 2720 857 Crs
34 2720 853 Crs
35 3003 898 Crs
36 3003 929 Crs
37 3174 1067 Crs
38 3174 1032 Crs
39 3401 1094 Crs
40 3401 1051 Crs
41 3628 1127 Crs
42 3628 1065 Crs
43 3855 1281 Crs
44 3855 1175 Crs
45 4081 1368 Crs
46 4081 1400 Crs
47 881 3159 Crs
48 1.200 UP
49 1.000 UL
50 LT2
51 LTb
52 LT2
53 548 1043 Star
54 548 1042 Star
55 548 1043 Star
56 645 1044 Star
57 645 1043 Star
58 743 1045 Star
59 743 1045 Star
60

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1
2
3 743 1044 Star
4 743 1044 Star
5 841 1046 Star
6 841 1045 Star
7 841 1046 Star
8 841 1045 Star
9 841 1044 Star
10 841 1050 Star
11 939 1049 Star
12 939 1048 Star
13 939 1045 Star
14 939 1046 Star
15 939 1050 Star
16 1036 1046 Star
17 1036 1048 Star
18 1036 1051 Star
19 1036 1049 Star
20 1036 1047 Star
21 1036 1047 Star
22 1134 1048 Star
23 1134 1058 Star
24 1134 1048 Star
25 1134 1051 Star
26 1232 1014 Star
27 1232 1053 Star
28 1232 1050 Star
29 1232 1057 Star
30 1427 1057 Star
31 1427 1012 Star
32 1427 1057 Star
33 1427 1057 Star
34 1623 1064 Star
35 1623 1065 Star
36 1623 1063 Star
37 1623 1064 Star
38 1818 1073 Star
39 1818 1075 Star
40 1818 1075 Star
41 1818 1070 Star
42 2014 1084 Star
43 2014 1083 Star
44 2014 1086 Star
45 2014 1079 Star
46 2209 1094 Star
47 2209 1096 Star
48 2209 1096 Star
49 2209 1095 Star
50 2405 1111 Star
51 2405 1121 Star
52 2405 1121 Star
53 2405 1120 Star
54 2600 1139 Star
55 2600 1133 Star
56 2600 1133 Star
57 2600 1137 Star
58 2796 1168 Star
59 2796 1174 Star
60

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1
2
3 2796 1150 Star
4 2796 1158 Star
5 2991 1189 Star
6 2991 1190 Star
7 2991 1203 Star
8 2991 1186 Star
9 3187 1226 Star
10 3187 1257 Star
11 3187 1213 Star
12 3187 1224 Star
13 3382 1259 Star
14 3382 1293 Star
15 3382 1309 Star
16 3382 1338 Star
17 3578 1370 Star
18 3578 1395 Star
19 3578 1367 Star
20 3578 1373 Star
21 3578 1367 Star
22 3578 1375 Star
23 3578 1409 Star
24 3578 1368 Star
25 3675 1450 Star
26 3675 1439 Star
27 3675 1392 Star
28 3675 1463 Star
29 3773 1533 Star
30 3773 1455 Star
31 3773 1544 Star
32 3773 1425 Star
33 3969 1570 Star
34 3969 1695 Star
35 3969 1598 Star
36 3969 1659 Star
37 4164 1726 Star
38 4164 1705 Star
39 4164 1757 Star
40 4164 1728 Star
41 881 3059 Star
42 1.200 UP
43 1.000 UL
44 LT3
45 LTb
46 LT3
47 589 1411 Box
48 589 1412 Box
49 589 1412 Box
50 589 1413 Box
51 727 1413 Box
52 727 1414 Box
53 866 1414 Box
54 866 1415 Box
55 866 1413 Box
56 866 1413 Box
57 1004 1417 Box
58 1004 1415 Box
59 1143 1415 Box
60

1
2
3 1143 1415 Box
4 1282 1419 Box
5 1282 1419 Box
6 1559 1425 Box
7 1559 1425 Box
8 1559 1424 Box
9 1559 1419 Box
10 1559 1417 Box
11 1559 1424 Box
12 1559 1426 Box
13 1836 1432 Box
14 1836 1428 Box
15 1836 1431 Box
16 1836 1433 Box
17 1836 1429 Box
18 1836 1431 Box
19 2113 1449 Box
20 2113 1444 Box
21 2113 1441 Box
22 2113 1444 Box
23 2113 1446 Box
24 2113 1445 Box
25 2390 1458 Box
26 2390 1457 Box
27 2390 1454 Box
28 2390 1463 Box
29 2668 1486 Box
30 2668 1479 Box
31 2668 1479 Box
32 2668 1490 Box
33 2806 1524 Box
34 2806 1503 Box
35 2806 1497 Box
36 2806 1503 Box
37 2945 1511 Box
38 2945 1515 Box
39 2945 1534 Box
40 2945 1538 Box
41 3083 1540 Box
42 3083 1558 Box
43 3083 1553 Box
44 3083 1540 Box
45 3222 1549 Box
46 3222 1577 Box
47 3222 1557 Box
48 3222 1569 Box
49 3361 1553 Box
50 3361 1608 Box
51 3361 1585 Box
52 3361 1578 Box
53 3499 1615 Box
54 3499 1646 Box
55 3499 1837 Box
56 3499 1671 Box
57 3638 1695 Box
58 3638 1745 Box
59 3638 1689 Box
60

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1
2
3 3638 1681 Box
4 3776 1773 Box
5 3776 1715 Box
6 3776 1729 Box
7 3776 1777 Box
8 3915 1858 Box
9 3915 1888 Box
10 3915 1889 Box
11 3915 1781 Box
12 4054 1869 Box
13 4054 1965 Box
14 4054 1965 Box
15 4054 2029 Box
16 881 2959 Box
17 1.200 UP
18 1.000 UL
19 LT4
20 LTb
21 LT4
22 625 1780 BoxF
23 625 1780 BoxF
24 800 1781 BoxF
25 800 1781 BoxF
26 975 1782 BoxF
27 975 1781 BoxF
28 1149 1784 BoxF
29 1149 1784 BoxF
30 1324 1785 BoxF
31 1324 1784 BoxF
32 1499 1789 BoxF
33 1499 1791 BoxF
34 1674 1791 BoxF
35 1674 1790 BoxF
36 1849 1795 BoxF
37 1849 1795 BoxF
38 2024 1800 BoxF
39 2024 1800 BoxF
40 2199 1808 BoxF
41 2199 1807 BoxF
42 2373 1814 BoxF
43 2373 1819 BoxF
44 2548 1830 BoxF
45 2548 1825 BoxF
46 2548 1826 BoxF
47 2548 1827 BoxF
48 2723 1843 BoxF
49 2723 1840 BoxF
50 2898 1858 BoxF
51 2898 1861 BoxF
52 3073 1887 BoxF
53 3073 1890 BoxF
54 3248 1894 BoxF
55 3248 1923 BoxF
56 3423 1930 BoxF
57 3423 2007 BoxF
58 3598 1937 BoxF
59 3598 1987 BoxF
60

1
2
3 3772 2060 BoxF
4 3772 2055 BoxF
5 3947 2188 BoxF
6 3947 2151 BoxF
7 4122 2277 BoxF
8 881 2859 BoxF
9 1.200 UP
10 1.000 UL
11 LT5
12 LTb
13 LT5
14 655 2150 Circle
15 655 2149 Circle
16 1064 2150 Circle
17 1064 2151 Circle
18 655 2150 Circle
19 655 2150 Circle
20 859 2150 Circle
21 859 2150 Circle
22 1064 2151 Circle
23 1064 2150 Circle
24 1269 2153 Circle
25 1269 2152 Circle
26 1678 2156 Circle
27 1678 2156 Circle
28 2088 2165 Circle
29 2088 2167 Circle
30 2292 2175 Circle
31 2292 2176 Circle
32 2497 2183 Circle
33 2497 2184 Circle
34 2702 2196 Circle
35 2702 2195 Circle
36 2907 2215 Circle
37 2907 2220 Circle
38 3111 2236 Circle
39 3111 2241 Circle
40 3316 2260 Circle
41 3316 2275 Circle
42 3316 2284 Circle
43 3521 2311 Circle
44 3521 2323 Circle
45 3725 2371 Circle
46 3725 2355 Circle
47 3930 2496 Circle
48 3930 2498 Circle
49 4135 2593 Circle
50 4135 2526 Circle
51 881 2759 Circle
52 1.200 UP
53 1.000 UL
54 LT6
55 LTb
56 LT6
57 478 2518 TriUF
58 478 2519 TriUF
59 505 2517 TriUF
60

1
2
3 505 2518 TriUF
4 561 2520 TriUF
5 561 2518 TriUF
6 727 2517 TriUF
7 727 2519 TriUF
8 1004 2519 TriUF
9 1004 2519 TriUF
10 1282 2521 TriUF
11 1282 2520 TriUF
12 1559 2522 TriUF
13 1559 2522 TriUF
14 1836 2525 TriUF
15 1836 2525 TriUF
16 2113 2529 TriUF
17 2252 2533 TriUF
18 2390 2536 TriUF
19 2390 2537 TriUF
20 2529 2540 TriUF
21 2529 2541 TriUF
22 2668 2545 TriUF
23 2668 2546 TriUF
24 2806 2553 TriUF
25 2806 2551 TriUF
26 2945 2561 TriUF
27 3083 2582 TriUF
28 3083 2573 TriUF
29 3222 2587 TriUF
30 3222 2586 TriUF
31 3333 2600 TriUF
32 3333 2596 TriUF
33 3444 2616 TriUF
34 3444 2620 TriUF
35 3555 2631 TriUF
36 3555 2657 TriUF
37 3665 2667 TriUF
38 3665 2669 TriUF
39 3721 2699 TriUF
40 3721 2702 TriUF
41 3776 2711 TriUF
42 3776 2715 TriUF
43 3832 2760 TriUF
44 3832 2751 TriUF
45 3887 2771 TriUF
46 3943 2798 TriUF
47 3943 2815 TriUF
48 3998 2914 TriUF
49 3998 2828 TriUF
50 4054 2854 TriUF
51 4054 2955 TriUF
52 4109 2900 TriUF
53 4109 3003 TriUF
54 4164 3068 TriUF
55 4164 3090 TriUF
56 3222 2591 TriUF
57 3333 2594 TriUF
58 3333 2604 TriUF
59 3444 2619 TriUF
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1
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3 3444 2624 TriUF
4 3555 2682 TriUF
5 3555 2654 TriUF
6 3665 2660 TriUF
7 3665 2671 TriUF
8 3721 2694 TriUF
9 3721 2697 TriUF
10 3776 2728 TriUF
11 3776 2722 TriUF
12 3832 2740 TriUF
13 3832 2720 TriUF
14 3887 2791 TriUF
15 3887 2775 TriUF
16 3943 2799 TriUF
17 3943 2817 TriUF
18 3998 2856 TriUF
19 3998 2886 TriUF
20 4054 2908 TriUF
21 4054 2933 TriUF
22 4109 2948 TriUF
23 4109 2958 TriUF
24 4164 3107 TriUF
25 4164 2985 TriUF
26 2945 2561 TriUF
27 2113 2530 TriUF
28 881 2659 TriUF
29 1.000 UL
30 LT7
31 450 306 M
32 38 0 V
33 37 0 V
34 38 1 V
35 37 0 V
36 38 0 V
37 37 1 V
38 38 0 V
39 38 1 V
40 37 1 V
41 38 0 V
42 37 1 V
43 38 1 V
44 37 1 V
45 38 2 V
46 38 1 V
47 37 1 V
48 38 2 V
49 37 1 V
50 38 2 V
51 38 2 V
52 37 2 V
53 38 2 V
54 37 2 V
55 38 2 V
56 38 3 V
57 38 3 V
58 37 2 V
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3 38 3 V
4 37 3 V
5 38 3 V
6 37 3 V
7 38 4 V
8 38 3 V
9 37 4 V
10 38 4 V
11 37 4 V
12 38 4 V
13 37 4 V
14 38 4 V
15 38 5 V
16 37 4 V
17 38 5 V
18 37 5 V
19 38 5 V
20 37 5 V
21 38 6 V
22 38 5 V
23 37 6 V
24 38 6 V
25 37 6 V
26 38 7 V
27 38 6 V
28 37 7 V
29 38 7 V
30 37 7 V
31 38 7 V
32 37 8 V
33 38 8 V
34 38 8 V
35 37 8 V
36 38 8 V
37 37 9 V
38 38 9 V
39 37 9 V
40 38 9 V
41 38 10 V
42 37 10 V
43 38 10 V
44 37 10 V
45 38 11 V
46 37 11 V
47 38 11 V
48 38 11 V
49 37 12 V
50 38 12 V
51 37 13 V
52 38 12 V
53 37 13 V
54 38 14 V
55 38 14 V
56 37 14 V
57 38 14 V
58 37 15 V
59 38 15 V
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1
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3 38 16 V
4 37 15 V
5 38 17 V
6 37 17 V
7 38 17 V
8 37 17 V
9 38 18 V
10 38 19 V
11 37 19 V
12 38 19 V
13 37 20 V
14 38 21 V
15 37 21 V
16 38 21 V
17 1.000 UL
18 LT8
19 450 675 M
20 38 0 V
21 37 0 V
22 38 0 V
23 37 0 V
24 38 0 V
25 37 1 V
26 38 0 V
27 38 0 V
28 37 1 V
29 38 0 V
30 37 1 V
31 38 1 V
32 37 0 V
33 38 1 V
34 37 1 V
35 38 1 V
36 37 1 V
37 38 1 V
38 38 1 V
39 37 1 V
40 38 2 V
41 37 1 V
42 38 2 V
43 37 1 V
44 38 2 V
45 38 2 V
46 37 2 V
47 38 2 V
48 37 2 V
49 38 2 V
50 37 2 V
51 38 3 V
52 38 2 V
53 37 3 V
54 38 3 V
55 37 3 V
56 38 3 V
57 37 3 V
58 38 3 V
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For Peer Review Only

1
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3 38 4 V
4 37 3 V
5 38 4 V
6 37 4 V
7 38 4 V
8 37 4 V
9 38 5 V
10 38 4 V
11 37 5 V
12 38 5 V
13 37 5 V
14 38 5 V
15 38 6 V
16 37 6 V
17 38 6 V
18 37 6 V
19 38 7 V
20 37 6 V
21 38 8 V
22 38 7 V
23 37 8 V
24 38 7 V
25 37 9 V
26 38 8 V
27 37 9 V
28 38 10 V
29 38 9 V
30 37 10 V
31 38 11 V
32 37 11 V
33 38 11 V
34 37 12 V
35 38 13 V
36 38 13 V
37 37 13 V
38 38 14 V
39 37 15 V
40 38 15 V
41 37 16 V
42 38 17 V
43 38 18 V
44 37 18 V
45 38 19 V
46 37 20 V
47 38 21 V
48 38 23 V
49 37 23 V
50 38 24 V
51 37 26 V
52 38 27 V
53 37 29 V
54 38 30 V
55 38 32 V
56 37 33 V
57 38 36 V
58 37 38 V
59 38 39 V
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1
2
3 37 43 V
4 38 45 V
5 1.000 UL
6 LT0
7 450 1043 M
8 38 0 V
9 37 0 V
10 38 1 V
11 37 0 V
12 38 0 V
13 37 0 V
14 38 0 V
15 38 1 V
16 37 0 V
17 38 0 V
18 37 1 V
19 38 0 V
20 37 1 V
21 38 0 V
22 38 1 V
23 37 0 V
24 38 1 V
25 37 1 V
26 38 1 V
27 38 1 V
28 37 1 V
29 38 1 V
30 37 1 V
31 38 1 V
32 37 1 V
33 38 1 V
34 37 2 V
35 38 1 V
36 37 2 V
37 38 1 V
38 37 2 V
39 38 2 V
40 38 2 V
41 37 1 V
42 38 2 V
43 37 3 V
44 38 2 V
45 37 2 V
46 38 2 V
47 38 3 V
48 37 3 V
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51 38 3 V
52 37 3 V
53 38 3 V
54 38 4 V
55 37 3 V
56 38 4 V
57 37 4 V
58 38 4 V
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For Peer Review Only

1
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3 38 4 V
4 37 4 V
5 38 4 V
6 37 5 V
7 38 5 V
8 37 5 V
9 38 5 V
10 38 5 V
11 37 6 V
12 38 6 V
13 37 6 V
14 38 6 V
15 37 7 V
16 38 7 V
17 38 7 V
18 37 8 V
19 38 8 V
20 37 8 V
21 38 8 V
22 37 9 V
23 38 10 V
24 38 9 V
25 37 11 V
26 38 10 V
27 37 11 V
28 38 12 V
29 37 12 V
30 38 13 V
31 38 14 V
32 37 14 V
33 38 14 V
34 37 16 V
35 38 16 V
36 38 17 V
37 37 19 V
38 38 19 V
39 37 20 V
40 38 21 V
41 37 23 V
42 38 23 V
43 38 26 V
44 37 26 V
45 38 29 V
46 37 30 V
47 38 33 V
48 37 34 V
49 38 37 V
50 1.000 UL
51 LT1
52 450 1412 M
53 38 0 V
54 37 0 V
55 38 0 V
56 37 0 V
57 38 0 V
58 37 0 V
59 38 1 V
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For Peer Review Only

1
2
3 38 0 V
4 37 0 V
5 38 0 V
6 37 1 V
7 38 0 V
8 37 0 V
9 38 1 V
10 38 0 V
11 37 0 V
12 38 1 V
13 37 0 V
14 38 1 V
15 38 0 V
16 37 1 V
17 38 1 V
18 37 0 V
19 38 1 V
20 37 1 V
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23 37 1 V
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25 37 1 V
26 38 1 V
27 37 1 V
28 38 1 V
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30 37 1 V
31 38 2 V
32 37 1 V
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36 37 2 V
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38 37 2 V
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41 38 2 V
42 38 2 V
43 37 3 V
44 38 2 V
45 37 3 V
46 38 3 V
47 38 3 V
48 37 3 V
49 38 3 V
50 37 4 V
51 38 3 V
52 37 4 V
53 38 4 V
54 38 4 V
55 37 4 V
56 38 4 V
57 37 5 V
58 38 5 V
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For Peer Review Only

1
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3 37 5 V
4 38 5 V
5 38 6 V
6 37 6 V
7 38 6 V
8 37 7 V
9 38 6 V
10 37 8 V
11 38 7 V
12 38 8 V
13 37 8 V
14 38 9 V
15 37 10 V
16 38 9 V
17 37 11 V
18 38 11 V
19 38 12 V
20 37 12 V
21 38 13 V
22 37 15 V
23 38 15 V
24 38 16 V
25 37 17 V
26 38 18 V
27 37 20 V
28 38 21 V
29 37 23 V
30 38 25 V
31 38 27 V
32 37 30 V
33 38 32 V
34 37 35 V
35 38 38 V
36 37 43 V
37 38 47 V
38 1.000 UL
39 LT2
40 450 1781 M
41 38 0 V
42 37 0 V
43 38 0 V
44 37 0 V
45 38 0 V
46 37 0 V
47 38 0 V
48 37 0 V
49 38 1 V
50 37 0 V
51 38 0 V
52 37 0 V
53 38 1 V
54 38 0 V
55 37 0 V
56 38 1 V
57 37 0 V
58 38 0 V
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For Peer Review Only

1
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3 38 1 V
4 37 0 V
5 38 1 V
6 37 0 V
7 38 1 V
8 37 0 V
9 38 1 V
10 38 1 V
11 37 0 V
12 38 1 V
13 37 1 V
14 38 1 V
15 37 1 V
16 38 0 V
17 38 1 V
18 37 1 V
19 38 1 V
20 37 2 V
21 38 1 V
22 37 1 V
23 38 1 V
24 38 1 V
25 37 2 V
26 38 1 V
27 37 2 V
28 38 1 V
29 37 2 V
30 38 2 V
31 38 2 V
32 37 2 V
33 38 1 V
34 37 3 V
35 38 2 V
36 38 2 V
37 37 2 V
38 38 3 V
39 37 2 V
40 38 3 V
41 37 3 V
42 38 3 V
43 38 3 V
44 37 3 V
45 38 4 V
46 37 3 V
47 38 4 V
48 37 4 V
49 38 4 V
50 38 5 V
51 37 4 V
52 38 5 V
53 37 5 V
54 38 6 V
55 37 5 V
56 38 6 V
57 38 7 V
58 37 6 V
59 38 7 V
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For Peer Review Only

1
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3 37 8 V
4 38 7 V
5 37 9 V
6 38 9 V
7 38 9 V
8 37 10 V
9 38 11 V
10 37 11 V
11 38 13 V
12 38 13 V
13 37 14 V
14 38 15 V
15 37 17 V
16 38 18 V
17 37 19 V
18 38 21 V
19 38 23 V
20 37 25 V
21 38 28 V
22 37 30 V
23 38 34 V
24 37 38 V
25 38 42 V
26 1.000 UL
27 LT3
28 450 2149 M
29 38 0 V
30 37 0 V
31 38 0 V
32 37 0 V
33 38 1 V
34 37 0 V
35 38 0 V
36 38 0 V
37 37 0 V
38 38 0 V
39 37 0 V
40 38 1 V
41 37 0 V
42 38 0 V
43 38 0 V
44 37 1 V
45 38 0 V
46 37 0 V
47 38 1 V
48 38 0 V
49 37 1 V
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52 38 0 V
53 38 1 V
54 37 0 V
55 38 1 V
56 37 1 V
57 38 1 V
58 37 1 V
59 38 1 V
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For Peer Review Only

1
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3 37 0 V
4 38 1 V
5 38 1 V
6 37 1 V
7 38 1 V
8 37 1 V
9 38 1 V
10 37 1 V
11 38 1 V
12 38 2 V
13 37 1 V
14 38 1 V
15 37 2 V
16 38 1 V
17 37 2 V
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19 38 2 V
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23 38 2 V
24 38 2 V
25 37 2 V
26 38 3 V
27 37 2 V
28 38 2 V
29 37 3 V
30 38 3 V
31 38 3 V
32 37 2 V
33 38 4 V
34 37 3 V
35 38 3 V
36 37 4 V
37 38 3 V
38 37 4 V
39 38 4 V
40 37 4 V
41 38 5 V
42 37 5 V
43 38 5 V
44 38 5 V
45 37 6 V
46 38 6 V
47 37 6 V
48 38 7 V
49 37 7 V
50 38 8 V
51 38 8 V
52 37 8 V
53 38 9 V
54 37 10 V
55 38 10 V
56 38 11 V
57 37 12 V
58 38 12 V
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For Peer Review Only

1
2
3 37 13 V
4 38 14 V
5 37 16 V
6 38 16 V
7 38 18 V
8 37 19 V
9 38 21 V
10 37 23 V
11 38 25 V
12 37 28 V
13 38 30 V
14 1.000 UL
15 LT4
16 450 2518 M
17 38 0 V
18 37 0 V
19 38 0 V
20 37 0 V
21 38 0 V
22 37 0 V
23 38 0 V
24 38 0 V
25 37 0 V
26 38 0 V
27 37 1 V
28 38 0 V
29 37 0 V
30 38 0 V
31 38 0 V
32 37 0 V
33 38 1 V
34 37 0 V
35 38 0 V
36 38 0 V
37 37 0 V
38 38 1 V
39 37 0 V
40 38 0 V
41 37 1 V
42 38 0 V
43 37 1 V
44 38 0 V
45 37 1 V
46 38 0 V
47 37 1 V
48 38 0 V
49 38 1 V
50 37 0 V
51 38 1 V
52 37 0 V
53 38 1 V
54 37 1 V
55 38 1 V
56 38 0 V
57 37 1 V
58 38 1 V
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For Peer Review Only

1
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3 37 1 V
4 38 1 V
5 37 1 V
6 38 1 V
7 38 1 V
8 37 1 V
9 38 1 V
10 37 1 V
11 38 2 V
12 38 1 V
13 37 2 V
14 38 1 V
15 37 2 V
16 38 1 V
17 37 2 V
18 38 2 V
19 38 2 V
20 37 2 V
21 38 2 V
22 37 2 V
23 38 3 V
24 37 2 V
25 38 3 V
26 38 3 V
27 37 3 V
28 38 3 V
29 37 4 V
30 38 3 V
31 37 4 V
32 38 4 V
33 38 5 V
34 37 4 V
35 38 5 V
36 37 6 V
37 38 5 V
38 37 6 V
39 38 7 V
40 38 7 V
41 37 8 V
42 38 9 V
43 37 9 V
44 38 10 V
45 38 11 V
46 37 12 V
47 38 14 V
48 37 15 V
49 38 17 V
50 37 18 V
51 38 22 V
52 38 24 V
53 37 28 V
54 38 33 V
55 37 38 V
56 38 45 V
57 37 55 V
58 38 68 V
59 1.000 UL
60

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```

1
2
3     LTb
4     450 300 M
5     3720 0 V
6     0 3072 V
7     -3720 0 V
8     450 300 L
9     1.000 UP
10    stroke
11    grestore
12    end
13    showpage
14    }}%
15    \put(700,2659){\rjust{\large 12 }}%
16    \put(700,2759){\rjust{\large 8 }}%
17    \put(700,2859){\rjust{\large 7 }}%
18    \put(700,2959){\rjust{\large 6 }}%
19    \put(700,3059){\rjust{\large 5 }}%
20    \put(700,3159){\rjust{\large 4 }}%
21    \put(700,3259){\rjust{\large 3.3 }}%
22    \put(2310,3522){\cjust{ }}%
23    \put(2310,50){\cjust{\large $\zeta/\zeta_{b}$ }}%
24    \put(100,1836){%
25    \special{ps: gsave currentpoint currentpoint translate
26    270 rotate neg exch neg exch translate}%
27    \cstack{\large $\eta_{s}/\eta_{s,0}$ }%
28    \special{ps: currentpoint grestore moveto}%
29    }%
30    \put(3832,200){\cjust{\large 1}}%
31    \put(3155,200){\cjust{\large 0.8}}%
32    \put(2479,200){\cjust{\large 0.6}}%
33    \put(1803,200){\cjust{\large 0.4}}%
34    \put(1126,200){\cjust{\large 0.2}}%
35    \put(450,200){\cjust{\large 0}}%
36    \put(400,3372){\rjust{\large 500}}%
37    \put(400,2758){\rjust{\large 400}}%
38    \put(400,2143){\rjust{\large 300}}%
39    \put(400,1529){\rjust{\large 200}}%
40    \put(400,914){\rjust{\large 100}}%
41    \put(400,300){\rjust{\large 0}}%
42    \endGNUPLOTpicture
43    \endgroup
44    \endinput
45
46
47
48
49
50
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```

```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \begingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure6.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:18:17 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3   hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5   hpt neg vpt 1.62 mul V
6   hpt 2 mul 0 V
7   hpt neg vpt -1.62 mul V closepath stroke
8   Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10  hpt neg vpt 1.62 mul V
11  hpt 2 mul 0 V
12  hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14  hpt neg vpt neg V hpt vpt neg V
15  hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18   closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21   closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23   hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27   2 copy vpt 0 90 arc closepath fill
28   vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30   2 copy vpt 90 180 arc closepath fill
31   vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33   2 copy vpt 0 180 arc closepath fill
34   vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36   2 copy vpt 180 270 arc closepath fill
37   vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39   2 copy vpt 0 90 arc
40   2 copy moveto
41   2 copy vpt 180 270 arc closepath fill
42   vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44   2 copy vpt 90 270 arc closepath fill
45   vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47   2 copy vpt 0 270 arc closepath fill
48   vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50   2 copy vpt 270 360 arc closepath fill
51   vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53   2 copy vpt 270 450 arc closepath fill
54   vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56   2 copy moveto
57   2 copy vpt 90 180 arc closepath fill
58   vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3       2 copy vpt 0 180 arc closepath fill
4       2 copy moveto
5       2 copy vpt 270 360 arc closepath fill
6       vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8       2 copy vpt 180 360 arc closepath fill
9       vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11       2 copy vpt 0 90 arc closepath fill
12       2 copy moveto
13       2 copy vpt 180 360 arc closepath fill
14       vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16       2 copy vpt 90 360 arc closepath fill
17       vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19       vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21       neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33       exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37       2 copy vpt Square fill
38       Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43       Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46       Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50       2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52       2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

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1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

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1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     400 300 M
47     3770 0 V
48     1.000 UL
49     LTb
50     400 300 M
51     63 0 V
52     3707 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     1.000 UL
57     LTa
58     400 684 M
59     3157 0 V
60     563 0 R
61     50 0 V

```

1
2
3 1.000 UL
4 LTb
5 400 684 M
6 63 0 V
7 3707 0 R
8 -63 0 V
9 1.000 UL
10 LTb
11 1.000 UL
12 LTa
13 400 1068 M
14 3157 0 V
15 563 0 R
16 50 0 V
17 1.000 UL
18 LTb
19 400 1068 M
20 63 0 V
21 3707 0 R
22 -63 0 V
23 1.000 UL
24 LTb
25 1.000 UL
26 LTa
27 400 1452 M
28 3770 0 V
29 1.000 UL
30 LTb
31 400 1452 M
32 63 0 V
33 3707 0 R
34 -63 0 V
35 1.000 UL
36 LTb
37 1.000 UL
38 LTa
39 400 1836 M
40 3770 0 V
41 1.000 UL
42 LTb
43 400 1836 M
44 63 0 V
45 3707 0 R
46 -63 0 V
47 1.000 UL
48 LTb
49 1.000 UL
50 LTa
51 400 2220 M
52 3770 0 V
53 1.000 UL
54 LTb
55 400 2220 M
56 63 0 V
57 3707 0 R
58 -63 0 V
59 1.000 UL
60

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1
2
3 LTb
4 1.000 UL
5 LTa
6 400 2604 M
7 3770 0 V
8 1.000 UL
9 LTb
10 400 2604 M
11 63 0 V
12 3707 0 R
13 -63 0 V
14 1.000 UL
15 LTb
16 1.000 UL
17 LTa
18 400 2988 M
19 3770 0 V
20 1.000 UL
21 LTb
22 400 2988 M
23 63 0 V
24 3707 0 R
25 -63 0 V
26 1.000 UL
27 LTb
28 1.000 UL
29 LTa
30 400 3372 M
31 3770 0 V
32 1.000 UL
33 LTb
34 400 3372 M
35 63 0 V
36 3707 0 R
37 -63 0 V
38 1.000 UL
39 LTb
40 1.000 UL
41 LTa
42 400 300 M
43 0 3072 V
44 1.000 UL
45 LTb
46 400 300 M
47 0 63 V
48 0 3009 R
49 0 -63 V
50 1.000 UL
51 LTb
52 1.000 UL
53 LTa
54 939 300 M
55 0 3072 V
56 1.000 UL
57 LTb
58 939 300 M
59 0 63 V
60

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1
2
3 0 3009 R
4 0 -63 V
5 1.000 UL
6 LTb
7 1.000 UL
8 LTa
9 1477 300 M
10 0 3072 V
11 1.000 UL
12 LTb
13 1477 300 M
14 0 63 V
15 0 3009 R
16 0 -63 V
17 1.000 UL
18 LTb
19 1.000 UL
20 LTa
21 2016 300 M
22 0 3072 V
23 1.000 UL
24 LTb
25 2016 300 M
26 0 63 V
27 0 3009 R
28 0 -63 V
29 1.000 UL
30 LTb
31 1.000 UL
32 LTa
33 2554 300 M
34 0 3072 V
35 1.000 UL
36 LTb
37 2554 300 M
38 0 63 V
39 0 3009 R
40 0 -63 V
41 1.000 UL
42 LTb
43 1.000 UL
44 LTa
45 3093 300 M
46 0 3072 V
47 1.000 UL
48 LTb
49 3093 300 M
50 0 63 V
51 0 3009 R
52 0 -63 V
53 1.000 UL
54 LTb
55 1.000 UL
56 LTa
57 3631 300 M
58 0 63 V
59 0 800 R
60

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1
2
3 0 2209 V
4 1.000 UL
5 LTb
6 3631 300 M
7 0 63 V
8 0 3009 R
9 0 -63 V
10 1.000 UL
11 LTb
12 1.000 UL
13 LTa
14 4170 300 M
15 0 3072 V
16 1.000 UL
17 LTb
18 4170 300 M
19 0 63 V
20 0 3009 R
21 0 -63 V
22 1.000 UL
23 LTb
24 1.000 UL
25 LTb
26 400 300 M
27 3770 0 V
28 0 3072 V
29 -3770 0 V
30 400 300 L
31 LTb
32 LTb
33 1.000 UP
34 1.200 UP
35 1.000 UL
36 LT0
37 LTb
38 LT0
39 1682 620 Pls
40 1682 631 Pls
41 3188 1419 Pls
42 3188 1355 Pls
43 4120 1875 Pls
44 4120 1857 Pls
45 3938 1113 Pls
46 1.200 UP
47 1.000 UL
48 LT1
49 LTb
50 LT1
51 612 416 Crs
52 611 455 Crs
53 992 630 Crs
54 992 662 Crs
55 1464 853 Crs
56 1464 796 Crs
57 2032 1166 Crs
58 2034 997 Crs
59
60

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1
2
3 2701 1447 Crs
4 2700 1546 Crs
5 3473 1808 Crs
6 3473 1703 Crs
7 2033 1045 Crs
8 2033 1056 Crs
9 2701 1460 Crs
10 2700 1302 Crs
11 3151 1561 Crs
12 3151 1701 Crs
13 3812 2009 Crs
14 3810 2315 Crs
15 3938 1013 Crs
16 1.200 UP
17 1.000 UL
18 LT2
19 LTb
20 LT2
21 427 644 Star
22 427 638 Star
23 427 668 Star
24 426 643 Star
25 642 724 Star
26 643 724 Star
27 642 735 Star
28 642 759 Star
29 904 842 Star
30 904 854 Star
31 904 883 Star
32 903 825 Star
33 1213 959 Star
34 1214 925 Star
35 1213 1002 Star
36 1213 955 Star
37 1575 1109 Star
38 1576 1044 Star
39 1575 1168 Star
40 1574 1097 Star
41 1993 1303 Star
42 1992 1290 Star
43 1993 1281 Star
44 1992 1245 Star
45 2468 1493 Star
46 2470 1480 Star
47 2469 1551 Star
48 2469 1517 Star
49 3006 1818 Star
50 3007 1737 Star
51 3006 1845 Star
52 3004 1717 Star
53 3608 2033 Star
54 3604 2245 Star
55 3608 2207 Star
56 3612 2002 Star
57 3938 913 Star
58 1.200 UP
59 1.000 UL
60

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1
2
3 LT3
4 LTb
5 LT3
6 661 1056 Box
7 661 1057 Box
8 661 1036 Box
9 661 1057 Box
10 661 1047 Box
11 662 1056 Box
12 1055 1182 Box
13 1057 1185 Box
14 1055 1201 Box
15 1054 1187 Box
16 1563 1345 Box
17 1564 1381 Box
18 1563 1431 Box
19 1563 1356 Box
20 1864 1439 Box
21 1864 1483 Box
22 1864 1502 Box
23 2199 1566 Box
24 2196 1627 Box
25 2199 1626 Box
26 2197 1633 Box
27 2570 1781 Box
28 2567 1704 Box
29 2570 1724 Box
30 2572 1714 Box
31 2978 1930 Box
32 2977 1887 Box
33 2978 1873 Box
34 2976 1911 Box
35 3426 2182 Box
36 3429 2156 Box
37 3425 2133 Box
38 3421 2130 Box
39 3915 2423 Box
40 3911 2390 Box
41 3915 2438 Box
42 3914 2280 Box
43 3938 813 Box
44 1.200 UP
45 1.000 UL
46 LT4
47 LTb
48 LT4
49 491 1340 BoxF
50 491 1339 BoxF
51 691 1406 BoxF
52 691 1396 BoxF
53 933 1470 BoxF
54 935 1468 BoxF
55 1222 1557 BoxF
56 1215 1574 BoxF
57 1222 1563 BoxF
58 1219 1570 BoxF
59 1562 1661 BoxF
60

1
2
3 1566 1645 BoxF
4 1959 1799 BoxF
5 1961 1757 BoxF
6 2418 1955 BoxF
7 2422 1937 BoxF
8 2944 2157 BoxF
9 2945 2149 BoxF
10 3544 2420 BoxF
11 3553 2347 BoxF
12 3938 713 BoxF
13 1.200 UP
14 1.000 UL
15 LT5
16 LTb
17 LT5
18 514 1701 Circle
19 515 1705 Circle
20 755 1765 Circle
21 755 1773 Circle
22 1058 1844 Circle
23 1055 1852 Circle
24 1431 1956 Circle
25 1429 1961 Circle
26 1886 2089 Circle
27 1893 2070 Circle
28 2433 2262 Circle
29 2437 2253 Circle
30 3083 2497 Circle
31 3083 2496 Circle
32 3082 2484 Circle
33 3848 2833 Circle
34 3850 2813 Circle
35 3938 613 Circle
36 1.200 UP
37 1.000 UL
38 LT6
39 LTb
40 LT6
41 468 2026 TriUF
42 607 2055 TriUF
43 772 2091 TriUF
44 774 2088 TriUF
45 966 2132 TriUF
46 965 2131 TriUF
47 1193 2186 TriUF
48 1188 2190 TriUF
49 1459 2243 TriUF
50 1468 2237 TriUF
51 1769 2386 TriUF
52 2128 2406 TriUF
53 2122 2418 TriUF
54 2542 2524 TriUF
55 2538 2533 TriUF
56 2918 2645 TriUF
57 2914 2656 TriUF
58 3338 2787 TriUF
59 3333 2803 TriUF
60

1
2
3 3807 2971 TriUF
4 3800 2977 TriUF
5 2543 2516 TriUF
6 2918 2637 TriUF
7 2916 2642 TriUF
8 3339 2790 TriUF
9 3329 2794 TriUF
10 3807 2945 TriUF
11 3805 2955 TriUF
12 1762 2322 TriUF
13 464 2028 TriUF
14 3938 513 TriUF
15 1.200 UP
16 1.000 UL
17 LT7
18 LTb
19 LT7
20 538 2371 Dia
21 707 2401 Dia
22 912 2435 Dia
23 1162 2478 Dia
24 1468 2531 Dia
25 1843 2602 Dia
26 2304 2714 Dia
27 2517 2769 Dia
28 2750 2840 Dia
29 3003 2919 Dia
30 3280 3010 Dia
31 3581 3114 Dia
32 3911 3270 Dia
33 1468 2555 Dia
34 1843 2637 Dia
35 2304 2745 Dia
36 2517 2817 Dia
37 2750 2871 Dia
38 3003 2967 Dia
39 3280 3044 Dia
40 3581 3165 Dia
41 3911 3306 Dia
42 1468 2546 Dia
43 1843 2624 Dia
44 2304 2747 Dia
45 2517 2805 Dia
46 3003 2941 Dia
47 3280 3035 Dia
48 3581 3162 Dia
49 3938 413 Dia
50 1.000 UL
51 LT8
52 990 300 M
53 19 10 V
54 38 19 V
55 38 19 V
56 39 19 V
57 38 19 V
58 38 18 V
59 38 19 V
60

1
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3 38 19 V
4 38 19 V
5 38 19 V
6 38 19 V
7 38 19 V
8 38 19 V
9 38 19 V
10 38 19 V
11 39 19 V
12 38 19 V
13 38 19 V
14 38 19 V
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16 38 19 V
17 38 18 V
18 38 19 V
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24 39 19 V
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30 38 19 V
31 38 18 V
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54 38 19 V
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57 38 19 V
58 38 19 V
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1
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3 38 19 V
4 39 19 V
5 38 18 V
6 38 19 V
7 38 19 V
8 38 19 V
9 38 19 V
10 38 19 V
11 38 19 V
12 38 19 V
13 38 19 V
14 38 19 V
15 38 19 V
16 39 19 V
17 38 19 V
18 38 19 V
19 38 19 V
20 38 18 V
21 38 19 V
22 38 19 V
23 1.000 UL
24 LT0
25 409 300 M
26 29 15 V
27 38 19 V
28 38 19 V
29 38 19 V
30 38 19 V
31 38 19 V
32 39 19 V
33 38 19 V
34 38 19 V
35 38 19 V
36 38 20 V
37 38 19 V
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3 38 20 V
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12 39 19 V
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57 38 19 V
58 38 19 V
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1
2
3 38 19 V
4 39 20 V
5 38 19 V
6 38 19 V
7 38 19 V
8 38 19 V
9 38 19 V
10 38 19 V
11 1.000 UL
12 LT1
13 400 604 M
14 38 17 V
15 38 18 V
16 38 17 V
17 38 17 V
18 38 17 V
19 38 18 V
20 39 17 V
21 38 17 V
22 38 18 V
23 38 17 V
24 38 17 V
25 38 17 V
26 38 18 V
27 38 17 V
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58 38 17 V
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1
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3 38 17 V
4 38 18 V
5 38 17 V
6 38 17 V
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8 38 17 V
9 38 17 V
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12 39 17 V
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22 38 17 V
23 38 17 V
24 38 17 V
25 39 18 V
26 38 17 V
27 38 17 V
28 38 18 V
29 38 17 V
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31 38 18 V
32 38 17 V
33 38 17 V
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37 38 18 V
38 38 17 V
39 38 17 V
40 38 17 V
41 38 18 V
42 38 17 V
43 38 17 V
44 38 18 V
45 38 17 V
46 38 17 V
47 38 17 V
48 39 18 V
49 38 17 V
50 38 17 V
51 38 18 V
52 38 17 V
53 38 17 V
54 38 17 V
55 1.000 UL
56 LT2
57 400 915 M
58 38 15 V
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3 38 15 V
4 38 16 V
5 38 15 V
6 38 15 V
7 38 15 V
8 39 16 V
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3 38 16 V
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31 38 16 V
32 38 15 V
33 38 15 V
34 38 16 V
35 38 15 V
36 39 15 V
37 38 15 V
38 38 16 V
39 38 15 V
40 38 15 V
41 38 15 V
42 38 16 V
43 1.000 UL
44 LT3
45 400 1287 M
46 38 12 V
47 38 13 V
48 38 13 V
49 38 13 V
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53 38 13 V
54 38 12 V
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3 38 13 V
4 38 13 V
5 38 12 V
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20 39 12 V
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For Peer Review Only

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23 38 12 V
24 38 13 V
25 39 13 V
26 38 13 V
27 38 13 V
28 38 13 V
29 38 13 V
30 38 13 V
31 38 12 V
32 1.000 UL
33 LT4
34 400 1632 M
35 38 12 V
36 38 13 V
37 38 12 V
38 38 12 V
39 38 13 V
40 38 12 V
41 39 13 V
42 38 12 V
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For Peer Review Only

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For Peer Review Only

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14 38 12 V
15 38 13 V
16 38 12 V
17 38 13 V
18 38 12 V
19 38 12 V
20 1.000 UL
21 LT5
22 400 1969 M
23 38 11 V
24 38 11 V
25 38 10 V
26 38 11 V
27 38 10 V
28 38 11 V
29 39 11 V
30 38 10 V
31 38 11 V
32 38 10 V
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For Peer Review Only

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For Peer Review Only

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3 38 11 V
4 38 11 V
5 38 10 V
6 38 11 V
7 38 11 V
8 1.000 UL
9 LT6
10 400 2257 M
11 38 10 V
12 38 11 V
13 38 10 V
14 38 10 V
15 38 10 V
16 38 11 V
17 39 10 V
18 38 10 V
19 38 11 V
20 38 10 V
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For Peer Review Only

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41 38 11 V
42 38 10 V
43 38 10 V
44 38 11 V
45 39 10 V
46 38 10 V
47 38 11 V
48 38 10 V
49 38 10 V
50 38 10 V
51 38 11 V
52 1.000 UL
53 LTb
54 400 300 M
55 3770 0 V
56 0 3072 V
57 -3770 0 V
58 400 300 L
59
60

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```
1
2
3 1.000 UP
4 stroke
5 grestore
6 end
7 showpage
8 }}%
9 \put(3757,413){\rjust{\large HS }}%
10 \put(3757,513){\rjust{\large 12 }}%
11 \put(3757,613){\rjust{\large 8 }}%
12 \put(3757,713){\rjust{\large 7 }}%
13 \put(3757,813){\rjust{\large 6 }}%
14 \put(3757,913){\rjust{\large 5 }}%
15 \put(3757,1013){\rjust{\large 4 }}%
16 \put(3757,1113){\rjust{\large 3.3 }}%
17 \put(2285,3522){\cjust{ }}%
18 \put(2285,50){\cjust{\large $P/P_b$ }}%
19 \put(100,1836){%
20 \special{ps: gsave currentpoint currentpoint translate
21 270 rotate neg exch neg exch translate}%
22 \cstack{\large $D_{B}/D$ }%
23 \special{ps: currentpoint grestore moveto}%
24 }%
25 \put(4170,200){\cjust{\large 0.8}}%
26 \put(3631,200){\cjust{\large 0.7}}%
27 \put(3093,200){\cjust{\large 0.6}}%
28 \put(2554,200){\cjust{\large 0.5}}%
29 \put(2016,200){\cjust{\large 0.4}}%
30 \put(1477,200){\cjust{\large 0.3}}%
31 \put(939,200){\cjust{\large 0.2}}%
32 \put(400,200){\cjust{\large 0.1}}%
33 \put(350,3372){\rjust{\large 10}}%
34 \put(350,2988){\rjust{\large 9}}%
35 \put(350,2604){\rjust{\large 8}}%
36 \put(350,2220){\rjust{\large 7}}%
37 \put(350,1836){\rjust{\large 6}}%
38 \put(350,1452){\rjust{\large 5}}%
39 \put(350,1068){\rjust{\large 4}}%
40 \put(350,684){\rjust{\large 3}}%
41 \put(350,300){\rjust{\large 2}}%
42 \endGNUPLOTpicture
43 \endgroup
44 \endinput
45
46
47
48
49
50
51
52
53
54
55
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```



```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure7.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:18:40 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def
60

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18     closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21     closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23     hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27     2 copy vpt 0 90 arc closepath fill
28     vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30     2 copy vpt 90 180 arc closepath fill
31     vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33     2 copy vpt 0 180 arc closepath fill
34     vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36     2 copy vpt 180 270 arc closepath fill
37     vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39     2 copy vpt 0 90 arc
40     2 copy moveto
41     2 copy vpt 180 270 arc closepath fill
42     vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44     2 copy vpt 90 270 arc closepath fill
45     vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47     2 copy vpt 0 270 arc closepath fill
48     vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50     2 copy vpt 270 360 arc closepath fill
51     vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53     2 copy vpt 270 450 arc closepath fill
54     vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56     2 copy moveto
57     2 copy vpt 90 180 arc closepath fill
58     vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3      2 copy vpt 0 180 arc closepath fill
4      2 copy moveto
5      2 copy vpt 270 360 arc closepath fill
6      vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8      2 copy vpt 180 360 arc closepath fill
9      vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11      2 copy vpt 0 90 arc closepath fill
12      2 copy moveto
13      2 copy vpt 180 360 arc closepath fill
14      vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16      2 copy vpt 90 360 arc closepath fill
17      vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19      vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21      neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33      exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37      2 copy vpt Square fill
38      Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42      vpt Square fill
43      Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45      vpt2 vpt Rec fill
46      Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48      Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50      2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52      2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

```

```

1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

```

```

1
2
3   /ColB ColB Fillden mul Fillden sub 1 add def
4   ColR ColG ColB setrgbcolor
5   fill grestore } def
6
7   %
8   % PostScript Level 1 Pattern Fill routine
9   % Usage: x y w h s a XX PatternFill
10  %   x,y = lower left corner of box to be filled
11  %   w,h = width and height of box
12  %   a = angle in degrees between lines and x-axis
13  %   XX = 0/1 for no/yes cross-hatch
14  %
15  /PatternFill { gsave /PFa [ 9 2 roll ] def
16    PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17    PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18    gsave 1 setgray fill grestore clip
19    currentlinewidth 0.5 mul setlinewidth
20    /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21    0 0 M PFa 5 get rotate PFs -2 div dup translate
22    0 1 PFs PFa 4 get div 1 add floor cvi
23    { PFa 4 get mul 0 M 0 PFs V } for
24    0 PFa 6 get ne {
25      0 1 PFs PFa 4 get div 1 add floor cvi
26      { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27    } if
28    stroke grestore } def
29
30 %
31 /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32 dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33 currentdict end definefont pop
34 end
35 %%EndProlog
36 gnudict begin
37 gsave
38 0 0 translate
39 0.100 0.100 scale
40 0 setgray
41 newpath
42 1.000 UL
43 LTb
44 1.000 UL
45 LTa
46 450 650 M
47 3107 0 V
48 563 0 R
49 50 0 V
50 1.000 UL
51 LTb
52 450 650 M
53 63 0 V
54 3657 0 R
55 -63 0 V
56 1.000 UL
57 LTb
58 1.000 UL
59 LTa
60 450 1039 M
61 3720 0 V

```

1
2
3 1.000 UL
4 LTb
5 450 1039 M
6 63 0 V
7 3657 0 R
8 -63 0 V
9 1.000 UL
10 LTb
11 1.000 UL
12 LTa
13 450 1428 M
14 3720 0 V
15 1.000 UL
16 LTb
17 450 1428 M
18 63 0 V
19 3657 0 R
20 -63 0 V
21 1.000 UL
22 LTb
23 1.000 UL
24 LTa
25 450 1817 M
26 3720 0 V
27 1.000 UL
28 LTb
29 450 1817 M
30 63 0 V
31 3657 0 R
32 -63 0 V
33 1.000 UL
34 LTb
35 1.000 UL
36 LTa
37 450 2205 M
38 3720 0 V
39 1.000 UL
40 LTb
41 450 2205 M
42 63 0 V
43 3657 0 R
44 -63 0 V
45 1.000 UL
46 LTb
47 1.000 UL
48 LTa
49 450 2594 M
50 3720 0 V
51 1.000 UL
52 LTb
53 450 2594 M
54 63 0 V
55 3657 0 R
56 -63 0 V
57 1.000 UL
58 LTb
59 1.000 UL
60

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1
2
3 LTa
4 450 2983 M
5 3720 0 V
6 1.000 UL
7 LTb
8 450 2983 M
9 63 0 V
10 3657 0 R
11 -63 0 V
12 1.000 UL
13 LTb
14 1.000 UL
15 LTa
16 450 3372 M
17 3720 0 V
18 1.000 UL
19 LTb
20 450 3372 M
21 63 0 V
22 3657 0 R
23 -63 0 V
24 1.000 UL
25 LTb
26 1.000 UL
27 LTa
28 450 300 M
29 0 3072 V
30 1.000 UL
31 LTb
32 450 300 M
33 0 63 V
34 0 3009 R
35 0 -63 V
36 1.000 UL
37 LTb
38 1.000 UL
39 LTa
40 981 300 M
41 0 3072 V
42 1.000 UL
43 LTb
44 981 300 M
45 0 63 V
46 0 3009 R
47 0 -63 V
48 1.000 UL
49 LTb
50 1.000 UL
51 LTa
52 1513 300 M
53 0 3072 V
54 1.000 UL
55 LTb
56 1513 300 M
57 0 63 V
58 0 3009 R
59 0 -63 V
60

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1
2
3 1.000 UL
4 LTb
5 1.000 UL
6 LTa
7 2044 300 M
8 0 3072 V
9 1.000 UL
10 LTb
11 2044 300 M
12 0 63 V
13 0 3009 R
14 0 -63 V
15 1.000 UL
16 LTb
17 1.000 UL
18 LTa
19 2576 300 M
20 0 3072 V
21 1.000 UL
22 LTb
23 2576 300 M
24 0 63 V
25 0 3009 R
26 0 -63 V
27 1.000 UL
28 LTb
29 1.000 UL
30 LTa
31 3107 300 M
32 0 3072 V
33 1.000 UL
34 LTb
35 3107 300 M
36 0 63 V
37 0 3009 R
38 0 -63 V
39 1.000 UL
40 LTb
41 1.000 UL
42 LTa
43 3639 300 M
44 0 63 V
45 0 600 R
46 0 2409 V
47 1.000 UL
48 LTb
49 3639 300 M
50 0 63 V
51 0 3009 R
52 0 -63 V
53 1.000 UL
54 LTb
55 1.000 UL
56 LTa
57 4170 300 M
58 0 3072 V
59 1.000 UL
60

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1
2
3 LTb
4 4170 300 M
5 0 63 V
6 0 3009 R
7 0 -63 V
8 1.000 UL
9 LTb
10 1.000 UL
11 LTb
12 450 300 M
13 3720 0 V
14 0 3072 V
15 -3720 0 V
16 450 300 L
17 LTb
18 LTb
19 LTb
20 1.000 UP
21 1.200 UP
22 1.000 UL
23 LT0
24 LTb
25 LT0
26 688 490 Pls
27 688 542 Pls
28 1715 756 Pls
29 1715 823 Pls
30 3201 1260 Pls
31 3201 1161 Pls
32 4121 1489 Pls
33 4121 1665 Pls
34 3938 913 Pls
35 1.200 UP
36 1.000 UL
37 LT1
38 LTb
39 LT1
40 476 1152 Star
41 477 1160 Star
42 476 1158 Star
43 476 1141 Star
44 689 1186 Star
45 690 1184 Star
46 689 1192 Star
47 688 1170 Star
48 947 1219 Star
49 948 1226 Star
50 947 1224 Star
51 947 1223 Star
52 1253 1271 Star
53 1253 1305 Star
54 1253 1305 Star
55 1253 1302 Star
56 1610 1362 Star
57 1610 1341 Star
58 1610 1340 Star
59 1608 1354 Star
60

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1
2
3 2021 1452 Star
4 2021 1471 Star
5 2022 1395 Star
6 2021 1421 Star
7 2491 1520 Star
8 2492 1522 Star
9 2491 1563 Star
10 2492 1509 Star
11 3021 1636 Star
12 3022 1735 Star
13 3021 1594 Star
14 3019 1629 Star
15 3615 1740 Star
16 3612 1848 Star
17 3615 1899 Star
18 3619 1991 Star
19 3938 813 Star
20 1.200 UP
21 1.000 UL
22 LT2
23 LTb
24 LT2
25 708 1564 Box
26 708 1547 Box
27 708 1538 Box
28 707 1547 Box
29 708 1553 Box
30 709 1552 Box
31 1097 1593 Box
32 1098 1590 Box
33 1097 1580 Box
34 1095 1609 Box
35 1598 1682 Box
36 1599 1658 Box
37 1598 1658 Box
38 1598 1695 Box
39 1895 1800 Box
40 1895 1717 Box
41 1895 1734 Box
42 2225 1762 Box
43 2222 1773 Box
44 2225 1833 Box
45 2223 1845 Box
46 2591 1851 Box
47 2588 1908 Box
48 2591 1894 Box
49 2593 1853 Box
50 2993 1881 Box
51 2993 1969 Box
52 2994 1906 Box
53 2992 1944 Box
54 3436 1892 Box
55 3439 2067 Box
56 3435 1995 Box
57 3431 1973 Box
58 3918 2091 Box
59 3914 2186 Box
60

1
2
3 3918 2792 Box
4 3917 2266 Box
5 3938 713 Box
6 1.200 UP
7 1.000 UL
8 LT3
9 LTb
10 LT3
11 540 1896 BoxF
12 540 1897 BoxF
13 738 1923 BoxF
14 737 1919 BoxF
15 976 1943 BoxF
16 977 1956 BoxF
17 1261 1993 BoxF
18 1254 1977 BoxF
19 1261 1980 BoxF
20 1258 1984 BoxF
21 1596 2034 BoxF
22 1601 2024 BoxF
23 1988 2081 BoxF
24 1990 2089 BoxF
25 2441 2171 BoxF
26 2445 2181 BoxF
27 2961 2195 BoxF
28 2961 2287 BoxF
29 3552 2307 BoxF
30 3561 2552 BoxF
31 3938 613 BoxF
32 1.200 UP
33 1.000 UL
34 LT4
35 LTb
36 LT4
37 563 2274 Circle
38 564 2281 Circle
39 801 2306 Circle
40 801 2310 Circle
41 1099 2331 Circle
42 1096 2336 Circle
43 1468 2373 Circle
44 1465 2370 Circle
45 1916 2433 Circle
46 1924 2447 Circle
47 2456 2499 Circle
48 2460 2514 Circle
49 3097 2574 Circle
50 3097 2622 Circle
51 3096 2651 Circle
52 3852 2738 Circle
53 3855 2774 Circle
54 3938 513 Circle
55 1.200 UP
56 1.000 UL
57 LT5
58 LTb
59 LT5
60

1
2
3 517 2649 TriUF
4 654 2660 TriUF
5 817 2672 TriUF
6 819 2672 TriUF
7 1008 2685 TriUF
8 1007 2685 TriUF
9 1233 2699 TriUF
10 1228 2704 TriUF
11 1495 2724 TriUF
12 1504 2720 TriUF
13 1800 2751 TriUF
14 2155 2816 TriUF
15 2149 2789 TriUF
16 2564 2833 TriUF
17 2560 2830 TriUF
18 2935 2872 TriUF
19 2931 2860 TriUF
20 3349 2925 TriUF
21 3344 2935 TriUF
22 3812 2973 TriUF
23 3805 3055 TriUF
24 2565 2844 TriUF
25 2935 2855 TriUF
26 2932 2885 TriUF
27 3350 2934 TriUF
28 3341 2951 TriUF
29 3812 3132 TriUF
30 3810 3043 TriUF
31 1794 2750 TriUF
32 513 2651 TriUF
33 3938 413 TriUF
34 1.000 UL
35 LT6
36 450 420 M
37 38 12 V
38 37 11 V
39 38 12 V
40 37 11 V
41 38 11 V
42 37 12 V
43 38 11 V
44 38 12 V
45 37 11 V
46 38 12 V
47 37 11 V
48 38 11 V
49 37 12 V
50 38 11 V
51 38 12 V
52 37 11 V
53 38 12 V
54 38 11 V
55 37 11 V
56 38 12 V
57 37 11 V
58 38 12 V
59 37 11 V
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3 38 12 V
4 37 11 V
5 38 12 V
6 38 11 V
7 37 12 V
8 38 11 V
9 37 11 V
10 38 12 V
11 37 11 V
12 38 12 V
13 38 11 V
14 37 12 V
15 38 11 V
16 37 11 V
17 38 12 V
18 37 11 V
19 38 12 V
20 38 11 V
21 37 12 V
22 38 11 V
23 37 12 V
24 38 11 V
25 37 11 V
26 38 12 V
27 38 11 V
28 37 12 V
29 38 11 V
30 37 12 V
31 38 11 V
32 38 12 V
33 37 11 V
34 38 11 V
35 37 12 V
36 38 11 V
37 37 12 V
38 38 11 V
39 38 12 V
40 37 11 V
41 38 11 V
42 37 12 V
43 38 11 V
44 38 12 V
45 37 11 V
46 38 12 V
47 37 11 V
48 38 11 V
49 37 12 V
50 38 11 V
51 38 12 V
52 37 11 V
53 38 12 V
54 37 11 V
55 38 12 V
56 37 11 V
57 38 11 V
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1
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3 38 12 V
4 37 11 V
5 38 12 V
6 37 11 V
7 38 12 V
8 38 11 V
9 37 12 V
10 38 11 V
11 37 11 V
12 38 12 V
13 37 11 V
14 38 12 V
15 38 11 V
16 37 12 V
17 38 11 V
18 37 11 V
19 38 12 V
20 37 11 V
21 38 12 V
22 1.000 UL
23 LT7
24 450 1117 M
25 38 8 V
26 37 9 V
27 38 8 V
28 37 8 V
29 38 8 V
30 37 8 V
31 38 8 V
32 38 9 V
33 37 8 V
34 38 8 V
35 37 8 V
36 38 8 V
37 37 9 V
38 38 8 V
39 38 8 V
40 37 8 V
41 38 8 V
42 37 8 V
43 38 9 V
44 38 8 V
45 37 8 V
46 38 8 V
47 37 8 V
48 38 9 V
49 37 8 V
50 38 8 V
51 38 8 V
52 37 8 V
53 38 9 V
54 37 8 V
55 38 8 V
56 37 8 V
57 38 8 V
58 38 8 V
59 37 9 V
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1
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3 38 8 V
4 37 8 V
5 38 8 V
6 37 8 V
7 38 9 V
8 38 8 V
9 37 8 V
10 38 8 V
11 37 8 V
12 38 8 V
13 37 9 V
14 38 8 V
15 38 8 V
16 37 8 V
17 38 8 V
18 37 9 V
19 38 8 V
20 38 8 V
21 37 8 V
22 38 8 V
23 37 8 V
24 38 9 V
25 37 8 V
26 38 8 V
27 38 8 V
28 37 8 V
29 38 9 V
30 37 8 V
31 38 8 V
32 37 8 V
33 38 8 V
34 38 9 V
35 37 8 V
36 38 8 V
37 37 8 V
38 38 8 V
39 37 8 V
40 38 9 V
41 38 8 V
42 37 8 V
43 38 8 V
44 37 8 V
45 38 9 V
46 37 8 V
47 38 8 V
48 38 8 V
49 37 8 V
50 38 8 V
51 37 9 V
52 38 8 V
53 38 8 V
54 37 8 V
55 38 8 V
56 37 9 V
57 38 8 V
58 37 8 V
59 38 8 V
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1
2
3 38 8 V
4 37 8 V
5 38 9 V
6 37 8 V
7 38 8 V
8 37 8 V
9 38 8 V
10 1.000 UL
11 LT8
12 450 1453 M
13 38 8 V
14 37 7 V
15 38 8 V
16 37 8 V
17 38 8 V
18 37 8 V
19 38 8 V
20 38 8 V
21 37 8 V
22 38 7 V
23 37 8 V
24 38 8 V
25 37 8 V
26 38 8 V
27 38 8 V
28 37 8 V
29 38 7 V
30 37 8 V
31 38 8 V
32 38 8 V
33 37 8 V
34 38 8 V
35 37 8 V
36 38 8 V
37 37 7 V
38 38 8 V
39 38 8 V
40 37 8 V
41 38 8 V
42 37 8 V
43 38 7 V
44 38 8 V
45 37 8 V
46 38 8 V
47 37 8 V
48 38 8 V
49 37 8 V
50 38 7 V
51 38 8 V
52 37 8 V
53 38 8 V
54 37 8 V
55 38 8 V
56 37 8 V
57 38 8 V
58 37 8 V
59 38 8 V
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1
2
3 38 7 V
4 37 8 V
5 38 8 V
6 37 8 V
7 38 8 V
8 38 8 V
9 37 8 V
10 38 7 V
11 37 8 V
12 38 8 V
13 37 8 V
14 38 8 V
15 38 8 V
16 37 8 V
17 38 8 V
18 37 7 V
19 38 8 V
20 37 8 V
21 38 8 V
22 38 8 V
23 37 8 V
24 38 8 V
25 37 8 V
26 38 7 V
27 37 8 V
28 38 8 V
29 38 8 V
30 37 8 V
31 38 8 V
32 37 8 V
33 38 7 V
34 37 8 V
35 38 8 V
36 38 8 V
37 37 8 V
38 38 8 V
39 37 8 V
40 38 8 V
41 38 7 V
42 37 8 V
43 38 8 V
44 37 8 V
45 38 8 V
46 37 8 V
47 38 8 V
48 38 8 V
49 37 7 V
50 38 8 V
51 37 8 V
52 38 8 V
53 37 8 V
54 38 8 V
55 1.000 UL
56 LT0
57 450 1855 M
58 38 7 V
59 37 6 V
60

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1
2
3 38 6 V
4 37 6 V
5 38 7 V
6 37 6 V
7 38 6 V
8 38 7 V
9 37 6 V
10 38 6 V
11 37 6 V
12 38 7 V
13 37 6 V
14 38 6 V
15 38 6 V
16 37 7 V
17 38 6 V
18 37 6 V
19 38 7 V
20 38 6 V
21 37 6 V
22 38 6 V
23 37 7 V
24 38 6 V
25 37 6 V
26 38 7 V
27 38 6 V
28 37 6 V
29 38 6 V
30 37 7 V
31 38 6 V
32 37 6 V
33 38 6 V
34 38 7 V
35 37 6 V
36 38 6 V
37 37 7 V
38 38 6 V
39 37 6 V
40 38 6 V
41 38 7 V
42 37 6 V
43 38 6 V
44 37 7 V
45 38 6 V
46 37 6 V
47 38 6 V
48 38 7 V
49 37 6 V
50 38 6 V
51 37 6 V
52 38 7 V
53 38 6 V
54 37 6 V
55 38 7 V
56 37 6 V
57 38 6 V
58 37 6 V
59 38 7 V
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1
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3 38 6 V
4 37 6 V
5 38 7 V
6 37 6 V
7 38 6 V
8 37 6 V
9 38 7 V
10 38 6 V
11 37 6 V
12 38 6 V
13 37 7 V
14 38 6 V
15 37 6 V
16 38 7 V
17 38 6 V
18 37 6 V
19 38 6 V
20 37 7 V
21 38 6 V
22 37 6 V
23 38 7 V
24 38 6 V
25 37 6 V
26 38 6 V
27 37 7 V
28 38 6 V
29 38 6 V
30 37 6 V
31 38 7 V
32 37 6 V
33 38 6 V
34 37 7 V
35 38 6 V
36 38 6 V
37 37 6 V
38 38 7 V
39 37 6 V
40 38 6 V
41 37 7 V
42 38 6 V
43 1.000 UL
44 LT1
45 450 2243 M
46 38 5 V
47 37 6 V
48 38 5 V
49 37 5 V
50 38 6 V
51 37 5 V
52 38 5 V
53 38 6 V
54 37 5 V
55 38 6 V
56 37 5 V
57 38 5 V
58 37 6 V
59 38 5 V
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1
2
3 38 5 V
4 37 6 V
5 38 5 V
6 37 5 V
7 38 6 V
8 38 5 V
9 37 5 V
10 38 6 V
11 37 5 V
12 38 6 V
13 37 5 V
14 38 5 V
15 38 6 V
16 37 5 V
17 38 5 V
18 37 6 V
19 38 5 V
20 37 5 V
21 38 6 V
22 38 5 V
23 37 5 V
24 38 6 V
25 37 5 V
26 38 6 V
27 37 5 V
28 38 5 V
29 38 6 V
30 37 5 V
31 38 5 V
32 37 6 V
33 38 5 V
34 37 5 V
35 38 6 V
36 38 5 V
37 37 6 V
38 38 5 V
39 37 5 V
40 38 6 V
41 38 5 V
42 37 5 V
43 38 6 V
44 37 5 V
45 38 5 V
46 37 6 V
47 38 5 V
48 38 5 V
49 37 6 V
50 38 5 V
51 37 5 V
52 38 6 V
53 38 5 V
54 37 5 V
55 38 6 V
56 37 5 V
57 38 6 V
58 37 5 V
59 38 5 V
60

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1
2
3 37 6 V
4 38 5 V
5 38 5 V
6 37 6 V
7 38 5 V
8 37 6 V
9 38 5 V
10 37 5 V
11 38 6 V
12 38 5 V
13 37 5 V
14 38 6 V
15 37 5 V
16 38 5 V
17 38 6 V
18 37 5 V
19 38 6 V
20 37 5 V
21 38 5 V
22 37 6 V
23 38 5 V
24 38 5 V
25 37 6 V
26 38 5 V
27 37 5 V
28 38 6 V
29 37 5 V
30 38 5 V
31 1.000 UL
32 LT2
33 450 2614 M
34 38 4 V
35 37 5 V
36 38 4 V
37 37 4 V
38 38 5 V
39 37 4 V
40 38 4 V
41 38 5 V
42 37 4 V
43 38 4 V
44 37 5 V
45 38 4 V
46 37 4 V
47 38 5 V
48 38 4 V
49 37 4 V
50 38 5 V
51 37 4 V
52 38 4 V
53 38 5 V
54 37 4 V
55 38 4 V
56 37 5 V
57 38 4 V
58 37 4 V
59 38 5 V
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1
2
3 38 4 V
4 37 4 V
5 38 5 V
6 37 4 V
7 38 4 V
8 37 5 V
9 38 4 V
10 38 4 V
11 37 5 V
12 38 4 V
13 37 4 V
14 38 4 V
15 37 5 V
16 38 4 V
17 38 4 V
18 37 5 V
19 38 4 V
20 37 4 V
21 38 5 V
22 37 4 V
23 38 4 V
24 38 5 V
25 37 4 V
26 38 4 V
27 37 5 V
28 38 4 V
29 38 4 V
30 37 5 V
31 38 4 V
32 37 4 V
33 38 5 V
34 37 4 V
35 38 4 V
36 38 5 V
37 37 4 V
38 38 4 V
39 37 5 V
40 38 4 V
41 38 4 V
42 37 4 V
43 38 5 V
44 37 4 V
45 38 4 V
46 38 4 V
47 37 5 V
48 38 4 V
49 38 4 V
50 37 5 V
51 38 4 V
52 37 4 V
53 38 5 V
54 37 4 V
55 38 4 V
56 38 4 V
57 37 5 V
58 38 4 V
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1
2
3 37 4 V
4 38 5 V
5 38 4 V
6 37 4 V
7 38 5 V
8 37 4 V
9 38 4 V
10 37 5 V
11 38 4 V
12 38 4 V
13 37 5 V
14 38 4 V
15 37 4 V
16 38 5 V
17 37 4 V
18 38 4 V
19 1.000 UL
20 LTb
21 450 300 M
22 3720 0 V
23 0 3072 V
24 -3720 0 V
25 450 300 L
26 1.000 UP
27 stroke
28 grestore
29 end
30 showpage
31 }}%
32 \put(3757,413){\rjust{\large 12 }}%
33 \put(3757,513){\rjust{\large 8 }}%
34 \put(3757,613){\rjust{\large 7 }}%
35 \put(3757,713){\rjust{\large 6 }}%
36 \put(3757,813){\rjust{\large 5 }}%
37 \put(3757,913){\rjust{\large 3.3 }}%
38 \put(2310,3522){\cjust{ }}%
39 \put(2310,50){\cjust{\large \$P/P_b\$ }}%
40 \put(100,1836){}%
41 \special{ps: gsave currentpoint currentpoint translate
42 270 rotate neg exch neg exch translate}%
43 \cstack{\large \$\eta_{s}/\eta_{s,0}\$ }%
44 \special{ps: currentpoint grestore moveto}%
45 }}%
46 \put(4170,200){\cjust{\large 0.8}}%
47 \put(3639,200){\cjust{\large 0.7}}%
48 \put(3107,200){\cjust{\large 0.6}}%
49 \put(2576,200){\cjust{\large 0.5}}%
50 \put(2044,200){\cjust{\large 0.4}}%
51 \put(1513,200){\cjust{\large 0.3}}%
52 \put(981,200){\cjust{\large 0.2}}%
53 \put(450,200){\cjust{\large 0.1}}%
54 \put(400,3372){\rjust{\large 160}}%
55 \put(400,2983){\rjust{\large 140}}%
56 \put(400,2594){\rjust{\large 120}}%
57 \put(400,2205){\rjust{\large 100}}%
58 \put(400,1817){\rjust{\large 80}}%
59 \put(400,1428){\rjust{\large 60}}%
60


```
1
2
3   \put(400,1039){\rjust{\large 40}}%
4   \put(400,650){\rjust{\large 20}}%
5   \endGNUPLOTpicture
6   \endgroup
7   \endinput
8
9
10
11
12
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```

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```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure8.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:18:50 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def
60

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnlinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17    translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18    closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20    translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21    closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23    hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27    2 copy vpt 0 90 arc closepath fill
28    vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30    2 copy vpt 90 180 arc closepath fill
31    vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33    2 copy vpt 0 180 arc closepath fill
34    vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36    2 copy vpt 180 270 arc closepath fill
37    vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39    2 copy vpt 0 90 arc
40    2 copy moveto
41    2 copy vpt 180 270 arc closepath fill
42    vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44    2 copy vpt 90 270 arc closepath fill
45    vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47    2 copy vpt 0 270 arc closepath fill
48    vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50    2 copy vpt 270 360 arc closepath fill
51    vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53    2 copy vpt 270 450 arc closepath fill
54    vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56    2 copy moveto
57    2 copy vpt 90 180 arc closepath fill
58    vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3       2 copy vpt 0 180 arc closepath fill
4       2 copy moveto
5       2 copy vpt 270 360 arc closepath fill
6       vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8       2 copy vpt 180 360 arc closepath fill
9       vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11       2 copy vpt 0 90 arc closepath fill
12       2 copy moveto
13       2 copy vpt 180 360 arc closepath fill
14       vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16       2 copy vpt 90 360 arc closepath fill
17       vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19       vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21       neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33       exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37       2 copy vpt Square fill
38       Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43       Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46       Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50       2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52       2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

```

```

1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

```

```

1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     400 300 M
47     3770 0 V
48     1.000 UL
49     LTb
50     400 300 M
51     63 0 V
52     3707 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     1.000 UL
57     LTa
58     400 641 M
59     3770 0 V
60     1.000 UL
61     LTb

```

1
2
3 400 641 M
4 63 0 V
5 3707 0 R
6 -63 0 V
7 1.000 UL
8 LTb
9 1.000 UL
10 LTa
11 400 983 M
12 3770 0 V
13 1.000 UL
14 LTb
15 400 983 M
16 63 0 V
17 3707 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 1.000 UL
22 LTa
23 400 1324 M
24 3770 0 V
25 1.000 UL
26 LTb
27 400 1324 M
28 63 0 V
29 3707 0 R
30 -63 0 V
31 1.000 UL
32 LTb
33 1.000 UL
34 LTa
35 400 1665 M
36 3770 0 V
37 1.000 UL
38 LTb
39 400 1665 M
40 63 0 V
41 3707 0 R
42 -63 0 V
43 1.000 UL
44 LTb
45 1.000 UL
46 LTa
47 400 2007 M
48 3770 0 V
49 1.000 UL
50 LTb
51 400 2007 M
52 63 0 V
53 3707 0 R
54 -63 0 V
55 1.000 UL
56 LTb
57 1.000 UL
58 LTa
59 400 2348 M
60

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1
2
3 3770 0 V
4 1.000 UL
5 LTb
6 400 2348 M
7 63 0 V
8 3707 0 R
9 -63 0 V
10 1.000 UL
11 LTb
12 1.000 UL
13 LTa
14 400 2689 M
15 3770 0 V
16 1.000 UL
17 LTb
18 400 2689 M
19 63 0 V
20 3707 0 R
21 -63 0 V
22 1.000 UL
23 LTb
24 1.000 UL
25 LTa
26 400 3031 M
27 3770 0 V
28 1.000 UL
29 LTb
30 400 3031 M
31 63 0 V
32 3707 0 R
33 -63 0 V
34 1.000 UL
35 LTb
36 1.000 UL
37 LTa
38 400 3372 M
39 3770 0 V
40 1.000 UL
41 LTb
42 400 3372 M
43 63 0 V
44 3707 0 R
45 -63 0 V
46 1.000 UL
47 LTb
48 1.000 UL
49 LTa
50 400 300 M
51 0 3072 V
52 1.000 UL
53 LTb
54 400 300 M
55 0 63 V
56 0 3009 R
57 0 -63 V
58 1.000 UL
59 LTb
60

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1
2
3 1.000 UL
4 LTa
5 1085 300 M
6 0 3072 V
7 1.000 UL
8 LTb
9 1085 300 M
10 0 63 V
11 0 3009 R
12 0 -63 V
13 1.000 UL
14 LTb
15 1.000 UL
16 LTa
17 1771 300 M
18 0 3072 V
19 1.000 UL
20 LTb
21 1771 300 M
22 0 63 V
23 0 3009 R
24 0 -63 V
25 1.000 UL
26 LTb
27 1.000 UL
28 LTa
29 2456 300 M
30 0 3072 V
31 1.000 UL
32 LTb
33 2456 300 M
34 0 63 V
35 0 3009 R
36 0 -63 V
37 1.000 UL
38 LTb
39 1.000 UL
40 LTa
41 3142 300 M
42 0 3072 V
43 1.000 UL
44 LTb
45 3142 300 M
46 0 63 V
47 0 3009 R
48 0 -63 V
49 1.000 UL
50 LTb
51 1.000 UL
52 LTa
53 3827 300 M
54 0 3072 V
55 1.000 UL
56 LTb
57 3827 300 M
58 0 63 V
59 0 3009 R
60

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1
2
3 0 -63 V
4 1.000 UL
5 LTb
6 1.000 UL
7 LTb
8 400 300 M
9 3770 0 V
10 0 3072 V
11 -3770 0 V
12 400 300 L
13 LTb
14 LTb
15 LTb
16 1.000 UP
17 LTb
18 LTb
19 LTb
20 LTb
21 1.200 UP
22 1.000 UL
23 LT0
24 434 1299 Pls
25 434 1299 Pls
26 468 1341 Pls
27 468 1341 Pls
28 1077 1446 Pls
29 1077 1444 Pls
30 1755 1595 Pls
31 1755 1595 Pls
32 2432 1808 Pls
33 2432 1812 Pls
34 3109 2163 Pls
35 3109 2134 Pls
36 3448 2366 Pls
37 3448 2358 Pls
38 3617 2489 Pls
39 3617 2479 Pls
40 3787 2614 Pls
41 3787 2635 Pls
42 3956 2738 Pls
43 3956 2764 Pls
44 4125 2934 Pls
45 4125 2905 Pls
46 1.200 UP
47 1.000 UL
48 LT1
49 428 1323 Crs
50 428 1323 Crs
51 456 1326 Crs
52 456 1326 Crs
53 512 1328 Crs
54 512 1328 Crs
55 681 1334 Crs
56 681 1334 Crs
57 962 1345 Crs
58 962 1345 Crs
59 1243 1357 Crs
60

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1
2
3 1243 1357 Crs
4 1524 1370 Crs
5 1524 1370 Crs
6 1805 1387 Crs
7 1805 1387 Crs
8 2086 1408 Crs
9 2226 1421 Crs
10 2366 1437 Crs
11 2366 1436 Crs
12 2507 1456 Crs
13 2507 1455 Crs
14 2647 1479 Crs
15 2647 1481 Crs
16 2788 1505 Crs
17 2788 1502 Crs
18 2928 1568 Crs
19 3069 1577 Crs
20 3069 1583 Crs
21 3209 1630 Crs
22 3209 1634 Crs
23 3322 1684 Crs
24 3322 1688 Crs
25 3434 1747 Crs
26 3434 1754 Crs
27 3546 1828 Crs
28 3546 1831 Crs
29 3659 1934 Crs
30 3659 1964 Crs
31 3715 1991 Crs
32 3715 1978 Crs
33 3771 2074 Crs
34 3771 2075 Crs
35 3827 2155 Crs
36 3827 2162 Crs
37 3883 2260 Crs
38 3940 2365 Crs
39 3940 2405 Crs
40 3996 2542 Crs
41 3996 2512 Crs
42 4052 2665 Crs
43 4052 2675 Crs
44 4108 2901 Crs
45 4108 2884 Crs
46 4164 3127 Crs
47 4164 3068 Crs
48 3209 1626 Crs
49 3322 1680 Crs
50 3322 1682 Crs
51 3434 1748 Crs
52 3434 1750 Crs
53 3546 1817 Crs
54 3546 1821 Crs
55 3659 1928 Crs
56 3659 1924 Crs
57 3715 1986 Crs
58 3715 1987 Crs
59 3771 2061 Crs
60

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1
2
3 3771 2051 Crs
4 3827 2134 Crs
5 3827 2147 Crs
6 3883 2247 Crs
7 3883 2230 Crs
8 3940 2361 Crs
9 3940 2387 Crs
10 3996 2486 Crs
11 3996 2457 Crs
12 4052 2666 Crs
13 4052 2668 Crs
14 4108 2827 Crs
15 4108 2849 Crs
16 4164 3113 Crs
17 4164 3032 Crs
18 2928 1540 Crs
19 2086 1409 Crs
20 1.200 UP
21 1.000 UL
22 LT2
23 434 581 Star
24 434 581 Star
25 468 652 Star
26 468 655 Star
27 1077 693 Star
28 1077 687 Star
29 1755 775 Star
30 1755 806 Star
31 2432 931 Star
32 2432 970 Star
33 3109 1226 Star
34 3109 1168 Star
35 3448 1360 Star
36 3448 1463 Star
37 3617 1550 Star
38 3617 1508 Star
39 3787 1628 Star
40 3787 1666 Star
41 3956 1899 Star
42 3956 1990 Star
43 4125 1937 Star
44 4125 1917 Star
45 1.200 UP
46 1.000 UL
47 LT3
48 428 653 Box
49 428 654 Box
50 456 652 Box
51 456 653 Box
52 512 656 Box
53 512 654 Box
54 681 651 Box
55 681 654 Box
56 962 655 Box
57 962 654 Box
58 1243 658 Box
59 1243 657 Box
60

1
2
3 1524 661 Box
4 1524 659 Box
5 1805 666 Box
6 1805 665 Box
7 2086 673 Box
8 2226 680 Box
9 2366 687 Box
10 2366 687 Box
11 2507 694 Box
12 2507 695 Box
13 2647 703 Box
14 2647 705 Box
15 2788 717 Box
16 2788 715 Box
17 2928 733 Box
18 3069 771 Box
19 3069 755 Box
20 3209 781 Box
21 3209 779 Box
22 3322 804 Box
23 3322 797 Box
24 3434 835 Box
25 3434 841 Box
26 3546 863 Box
27 3546 911 Box
28 3659 929 Box
29 3659 933 Box
30 3715 988 Box
31 3715 993 Box
32 3771 1010 Box
33 3771 1017 Box
34 3827 1102 Box
35 3827 1085 Box
36 3883 1121 Box
37 3940 1171 Box
38 3940 1202 Box
39 3996 1387 Box
40 3996 1227 Box
41 4052 1274 Box
42 4052 1462 Box
43 4108 1360 Box
44 4108 1551 Box
45 4164 1671 Box
46 4164 1713 Box
47 3209 787 Box
48 3322 794 Box
49 3322 811 Box
50 3434 840 Box
51 3434 850 Box
52 3546 956 Box
53 3546 904 Box
54 3659 915 Box
55 3659 936 Box
56 3715 979 Box
57 3715 985 Box
58 3771 1041 Box
59 3771 1031 Box
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1
2
3 3827 1065 Box
4 3827 1026 Box
5 3883 1158 Box
6 3883 1128 Box
7 3940 1174 Box
8 3940 1206 Box
9 3996 1278 Box
10 3996 1335 Box
11 4052 1375 Box
12 4052 1421 Box
13 4108 1449 Box
14 4108 1467 Box
15 4164 1743 Box
16 4164 1517 Box
17 2928 732 Box
18 2086 675 Box
19 1.000 UL
20 LT4
21 400 1329 M
22 38 7 V
23 38 6 V
24 38 7 V
25 38 6 V
26 38 7 V
27 38 6 V
28 39 6 V
29 38 7 V
30 38 6 V
31 38 7 V
32 38 6 V
33 38 7 V
34 38 7 V
35 38 7 V
36 38 6 V
37 38 7 V
38 38 7 V
39 39 7 V
40 38 7 V
41 38 8 V
42 38 7 V
43 38 8 V
44 38 7 V
45 38 8 V
46 38 8 V
47 38 8 V
48 38 8 V
49 38 9 V
50 38 9 V
51 39 8 V
52 38 10 V
53 38 9 V
54 38 9 V
55 38 10 V
56 38 10 V
57 38 10 V
58 38 11 V
59
60

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1
2
3 38 10 V
4 38 11 V
5 38 11 V
6 38 12 V
7 38 12 V
8 39 12 V
9 38 12 V
10 38 13 V
11 38 13 V
12 38 13 V
13 38 14 V
14 38 13 V
15 38 15 V
16 38 14 V
17 38 15 V
18 38 15 V
19 38 16 V
20 39 16 V
21 38 16 V
22 38 17 V
23 38 17 V
24 38 18 V
25 38 18 V
26 38 18 V
27 38 19 V
28 38 19 V
29 38 19 V
30 38 20 V
31 38 20 V
32 38 21 V
33 39 21 V
34 38 22 V
35 38 22 V
36 38 23 V
37 38 23 V
38 38 23 V
39 38 24 V
40 38 24 V
41 38 25 V
42 38 25 V
43 38 26 V
44 38 26 V
45 39 27 V
46 38 27 V
47 38 28 V
48 38 28 V
49 38 29 V
50 38 29 V
51 38 30 V
52 38 30 V
53 38 31 V
54 38 32 V
55 38 31 V
56 38 33 V
57 39 33 V
58 38 33 V
59 38 34 V
60

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1
2
3 38 35 V
4 38 35 V
5 38 35 V
6 38 37 V
7 1.000 UL
8 LT5
9 400 1323 M
10 38 1 V
11 38 2 V
12 38 1 V
13 38 2 V
14 38 1 V
15 38 2 V
16 39 1 V
17 38 2 V
18 38 1 V
19 38 2 V
20 38 1 V
21 38 2 V
22 38 1 V
23 38 2 V
24 38 1 V
25 38 2 V
26 38 1 V
27 38 2 V
28 39 2 V
29 38 1 V
30 38 2 V
31 38 2 V
32 38 1 V
33 38 2 V
34 38 2 V
35 38 2 V
36 38 2 V
37 38 1 V
38 38 3 V
39 39 2 V
40 38 2 V
41 38 2 V
42 38 2 V
43 38 3 V
44 38 2 V
45 38 3 V
46 38 2 V
47 38 3 V
48 38 3 V
49 38 3 V
50 38 3 V
51 38 3 V
52 39 3 V
53 38 3 V
54 38 4 V
55 38 4 V
56 38 4 V
57 38 4 V
58 38 4 V
59
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1
2
3 38 5 V
4 38 4 V
5 38 5 V
6 38 5 V
7 38 6 V
8 39 5 V
9 38 6 V
10 38 6 V
11 38 7 V
12 38 7 V
13 38 7 V
14 38 8 V
15 38 8 V
16 38 8 V
17 38 9 V
18 38 10 V
19 38 10 V
20 38 10 V
21 39 11 V
22 38 12 V
23 38 13 V
24 38 13 V
25 38 15 V
26 38 15 V
27 38 17 V
28 38 17 V
29 38 19 V
30 38 20 V
31 38 22 V
32 38 24 V
33 39 25 V
34 38 28 V
35 38 31 V
36 38 33 V
37 38 36 V
38 38 40 V
39 38 43 V
40 38 49 V
41 38 53 V
42 38 59 V
43 38 65 V
44 38 73 V
45 39 82 V
46 38 91 V
47 38 102 V
48 38 114 V
49 38 128 V
50 38 145 V
51 38 162 V
52 1.000 UL
53 LT6
54 400 630 M
55 38 5 V
56 38 5 V
57 38 4 V
58 38 5 V
59 38 4 V
60

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1
2
3 38 5 V
4 39 4 V
5 38 5 V
6 38 4 V
7 38 5 V
8 38 4 V
9 38 5 V
10 38 5 V
11 38 4 V
12 38 5 V
13 38 4 V
14 38 5 V
15 38 4 V
16 39 5 V
17 38 5 V
18 38 4 V
19 38 5 V
20 38 4 V
21 38 5 V
22 38 5 V
23 38 4 V
24 38 5 V
25 38 5 V
26 38 5 V
27 38 5 V
28 39 5 V
29 38 5 V
30 38 5 V
31 38 5 V
32 38 6 V
33 38 5 V
34 38 6 V
35 38 6 V
36 38 6 V
37 38 6 V
38 38 6 V
39 38 7 V
40 39 7 V
41 38 7 V
42 38 7 V
43 38 8 V
44 38 8 V
45 38 9 V
46 38 8 V
47 38 10 V
48 38 9 V
49 38 11 V
50 38 10 V
51 38 11 V
52 39 12 V
53 38 12 V
54 38 13 V
55 38 14 V
56 38 14 V
57 38 15 V
58 38 15 V
59
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1
2
3 38 16 V
4 38 17 V
5 38 17 V
6 38 18 V
7 38 19 V
8 38 19 V
9 39 20 V
10 38 20 V
11 38 21 V
12 38 21 V
13 38 22 V
14 38 21 V
15 38 23 V
16 38 22 V
17 38 22 V
18 38 23 V
19 38 23 V
20 38 23 V
21 39 23 V
22 38 23 V
23 38 24 V
24 38 24 V
25 38 26 V
26 38 28 V
27 38 30 V
28 38 34 V
29 38 39 V
30 38 46 V
31 38 54 V
32 38 66 V
33 39 81 V
34 38 100 V
35 38 124 V
36 38 153 V
37 38 192 V
38 38 238 V
39 38 294 V
40 1.000 UL
41 LT7
42 400 672 M
43 38 -5 V
44 38 -5 V
45 38 -5 V
46 38 -5 V
47 38 -4 V
48 38 -3 V
49 39 -3 V
50 38 -3 V
51 38 -2 V
52 38 -2 V
53 38 -2 V
54 38 -1 V
55 38 -1 V
56 38 -1 V
57 38 0 V
58 38 0 V
59 38 0 V
60

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1
2
3 38 1 V
4 39 0 V
5 38 2 V
6 38 1 V
7 38 1 V
8 38 2 V
9 38 2 V
10 38 2 V
11 38 3 V
12 38 2 V
13 38 3 V
14 38 2 V
15 38 3 V
16 39 3 V
17 38 3 V
18 38 3 V
19 38 3 V
20 38 3 V
21 38 3 V
22 38 3 V
23 38 3 V
24 38 2 V
25 38 3 V
26 38 3 V
27 38 3 V
28 38 2 V
29 39 3 V
30 38 2 V
31 38 2 V
32 38 2 V
33 38 2 V
34 38 2 V
35 38 1 V
36 38 2 V
37 38 1 V
38 38 2 V
39 38 1 V
40 39 1 V
41 38 1 V
42 38 2 V
43 38 1 V
44 38 1 V
45 38 1 V
46 38 2 V
47 38 1 V
48 38 2 V
49 38 2 V
50 38 2 V
51 38 2 V
52 38 3 V
53 39 4 V
54 38 4 V
55 38 4 V
56 38 6 V
57 38 6 V
58 38 6 V
59
60

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1
2
3 38 8 V
4 38 9 V
5 38 10 V
6 38 11 V
7 38 13 V
8 38 14 V
9 39 16 V
10 38 18 V
11 38 19 V
12 38 22 V
13 38 24 V
14 38 26 V
15 38 30 V
16 38 31 V
17 38 35 V
18 38 38 V
19 38 42 V
20 38 45 V
21 39 49 V
22 38 53 V
23 38 57 V
24 38 62 V
25 38 67 V
26 38 72 V
27 38 78 V
28 1.000 UL
29 LTb
30 400 300 M
31 3770 0 V
32 0 3072 V
33 -3770 0 V
34 400 300 L
35 1.000 UP
36 stroke
37 grestore
38 end
39 showpage
40 }}%
41 \put(2285,1836){\cjust{\large 3.3 D}}%
42 \put(2114,1239){\cjust{\large 12 D}}%
43 \put(1428,897){\cjust{\large 3.3 V}}%
44 \put(1428,471){\cjust{\large 12 V}}%
45 \put(2285,3522){\cjust{ }}%
46 \put(2285,50){\cjust{\large ζ/ζ_{b} }}%
47 \put(100,1836){%
48 \special{ps: gsave currentpoint currentpoint translate
49 270 rotate neg exch neg exch translate}%
50 \cstack{\large D_{B}/D , $\eta_{s}/\eta_{s,0}$ }%
51 \special{ps: currentpoint grestore moveto}%
52 }}%
53 \put(3827,200){\cjust{\large 1}}%
54 \put(3142,200){\cjust{\large 0.8}}%
55 \put(2456,200){\cjust{\large 0.6}}%
56 \put(1771,200){\cjust{\large 0.4}}%
57 \put(1085,200){\cjust{\large 0.2}}%
58 \put(400,200){\cjust{\large 0}}%
59 \put(350,3372){\rjust{\large 18}}%
60

```
1
2
3   \put (350,3031) {\rjust{\large 16}}%
4   \put (350,2689) {\rjust{\large 14}}%
5   \put (350,2348) {\rjust{\large 12}}%
6   \put (350,2007) {\rjust{\large 10}}%
7   \put (350,1665) {\rjust{\large 8}}%
8   \put (350,1324) {\rjust{\large 6}}%
9   \put (350,983) {\rjust{\large 4}}%
10  \put (350,641) {\rjust{\large 2}}%
11  \put (350,300) {\rjust{\large 0}}%
12  \endGNUPLOTpicture
13  \endgroup
14  \endinput
```

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```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure9.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:19:11 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def

```



```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18     closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21     closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23     hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27     2 copy vpt 0 90 arc closepath fill
28     vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30     2 copy vpt 90 180 arc closepath fill
31     vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33     2 copy vpt 0 180 arc closepath fill
34     vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36     2 copy vpt 180 270 arc closepath fill
37     vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39     2 copy vpt 0 90 arc
40     2 copy moveto
41     2 copy vpt 180 270 arc closepath fill
42     vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44     2 copy vpt 90 270 arc closepath fill
45     vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47     2 copy vpt 0 270 arc closepath fill
48     vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50     2 copy vpt 270 360 arc closepath fill
51     vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53     2 copy vpt 270 450 arc closepath fill
54     vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56     2 copy moveto
57     2 copy vpt 90 180 arc closepath fill
58     vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3       2 copy vpt 0 180 arc closepath fill
4       2 copy moveto
5       2 copy vpt 270 360 arc closepath fill
6       vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8       2 copy vpt 180 360 arc closepath fill
9       vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11       2 copy vpt 0 90 arc closepath fill
12       2 copy moveto
13       2 copy vpt 180 360 arc closepath fill
14       vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16       2 copy vpt 90 360 arc closepath fill
17       vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19       vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21       neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33       exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37       2 copy vpt Square fill
38       Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42 vpt Square fill
43       Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45 vpt2 vpt Rec fill
46       Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48 Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50       2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52       2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

```

```

1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

```

```

1
2
3      /ColB ColB Fillden mul Fillden sub 1 add def
4      ColR ColG ColB setrgbcolor
5      fill grestore } def
6
7      %
8      % PostScript Level 1 Pattern Fill routine
9      % Usage: x y w h s a XX PatternFill
10     %      x,y = lower left corner of box to be filled
11     %      w,h = width and height of box
12     %      a = angle in degrees between lines and x-axis
13     %      XX = 0/1 for no/yes cross-hatch
14     %
15     /PatternFill { gsave /PFa [ 9 2 roll ] def
16     PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17     PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18     gsave 1 setgray fill grestore clip
19     currentlinewidth 0.5 mul setlinewidth
20     /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21     0 0 M PFa 5 get rotate PFs -2 div dup translate
22     0 1 PFs PFa 4 get div 1 add floor cvi
23     { PFa 4 get mul 0 M 0 PFs V } for
24     0 PFa 6 get ne {
25     0 1 PFs PFa 4 get div 1 add floor cvi
26     { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27     } if
28     stroke grestore } def
29
30     %
31     /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32     dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33     currentdict end definefont pop
34     end
35     %%EndProlog
36     gnudict begin
37     gsave
38     0 0 translate
39     0.100 0.100 scale
40     0 setgray
41     newpath
42     1.000 UL
43     LTb
44     1.000 UL
45     LTa
46     550 300 M
47     3620 0 V
48     1.000 UL
49     LTb
50     550 300 M
51     63 0 V
52     3557 0 R
53     -63 0 V
54     1.000 UL
55     LTb
56     550 485 M
57     31 0 V
58     3589 0 R
59     -31 0 V
60     550 729 M
61     31 0 V

```

1
2
3 3589 0 R
4 -31 0 V
5 550 855 M
6 31 0 V
7 3589 0 R
8 -31 0 V
9 1.000 UL
10 LTa
11 550 914 M
12 3620 0 V
13 1.000 UL
14 LTb
15 550 914 M
16 63 0 V
17 3557 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 550 1099 M
22 31 0 V
23 3589 0 R
24 -31 0 V
25 550 1344 M
26 31 0 V
27 3589 0 R
28 -31 0 V
29 550 1469 M
30 31 0 V
31 3589 0 R
32 -31 0 V
33 1.000 UL
34 LTa
35 550 1529 M
36 3620 0 V
37 1.000 UL
38 LTb
39 550 1529 M
40 63 0 V
41 3557 0 R
42 -63 0 V
43 1.000 UL
44 LTb
45 550 1714 M
46 31 0 V
47 3589 0 R
48 -31 0 V
49 550 1958 M
50 31 0 V
51 3589 0 R
52 -31 0 V
53 550 2084 M
54 31 0 V
55 3589 0 R
56 -31 0 V
57 1.000 UL
58 LTa
59 550 2143 M
60

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1
2
3 3620 0 V
4 1.000 UL
5 LTb
6 550 2143 M
7 63 0 V
8 3557 0 R
9 -63 0 V
10 1.000 UL
11 LTb
12 550 2328 M
13 31 0 V
14 3589 0 R
15 -31 0 V
16 550 2573 M
17 31 0 V
18 3589 0 R
19 -31 0 V
20 550 2698 M
21 31 0 V
22 3589 0 R
23 -31 0 V
24 1.000 UL
25 LTa
26 550 2758 M
27 3620 0 V
28 1.000 UL
29 LTb
30 550 2758 M
31 63 0 V
32 3557 0 R
33 -63 0 V
34 1.000 UL
35 LTb
36 550 2943 M
37 31 0 V
38 3589 0 R
39 -31 0 V
40 550 3187 M
41 31 0 V
42 3589 0 R
43 -31 0 V
44 550 3312 M
45 31 0 V
46 3589 0 R
47 -31 0 V
48 1.000 UL
49 LTa
50 550 3372 M
51 3620 0 V
52 1.000 UL
53 LTb
54 550 3372 M
55 63 0 V
56 3557 0 R
57 -63 0 V
58 1.000 UL
59 LTb
60

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1
2
3 1.000 UL
4 LTa
5 550 300 M
6 0 3072 V
7 1.000 UL
8 LTb
9 550 300 M
10 0 63 V
11 0 3009 R
12 0 -63 V
13 1.000 UL
14 LTb
15 1.000 UL
16 LTa
17 1003 300 M
18 0 3072 V
19 1.000 UL
20 LTb
21 1003 300 M
22 0 63 V
23 0 3009 R
24 0 -63 V
25 1.000 UL
26 LTb
27 1.000 UL
28 LTa
29 1455 300 M
30 0 3072 V
31 1.000 UL
32 LTb
33 1455 300 M
34 0 63 V
35 0 3009 R
36 0 -63 V
37 1.000 UL
38 LTb
39 1.000 UL
40 LTa
41 1907 300 M
42 0 3072 V
43 1.000 UL
44 LTb
45 1907 300 M
46 0 63 V
47 0 3009 R
48 0 -63 V
49 1.000 UL
50 LTb
51 1.000 UL
52 LTa
53 2360 300 M
54 0 3072 V
55 1.000 UL
56 LTb
57 2360 300 M
58 0 63 V
59 0 3009 R
60

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1
2
3 0 -63 V
4 1.000 UL
5 LTb
6 1.000 UL
7 LTa
8 2812 300 M
9 0 3072 V
10 1.000 UL
11 LTb
12 2812 300 M
13 0 63 V
14 0 3009 R
15 0 -63 V
16 1.000 UL
17 LTb
18 1.000 UL
19 LTa
20 3265 300 M
21 0 3072 V
22 1.000 UL
23 LTb
24 3265 300 M
25 0 63 V
26 0 3009 R
27 0 -63 V
28 1.000 UL
29 LTb
30 1.000 UL
31 LTa
32 3717 300 M
33 0 2509 V
34 0 500 R
35 0 63 V
36 1.000 UL
37 LTb
38 3717 300 M
39 0 63 V
40 0 3009 R
41 0 -63 V
42 1.000 UL
43 LTb
44 1.000 UL
45 LTa
46 4170 300 M
47 0 3072 V
48 1.000 UL
49 LTb
50 4170 300 M
51 0 63 V
52 0 3009 R
53 0 -63 V
54 1.000 UL
55 LTb
56 1.000 UL
57 LTb
58 550 300 M
59 3620 0 V
60

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1
2
3 0 3072 V
4 -3620 0 V
5 550 300 L
6 LTb
7 LTb
8 LTb
9 1.000 UP
10 LTb
11 LTb
12 1.200 UP
13 1.000 UL
14 LT0
15 LTb
16 LT0
17 981 891 Pls
18 981 891 Pls
19 1875 736 Pls
20 1875 734 Pls
21 2770 589 Pls
22 2770 599 Pls
23 3217 532 Pls
24 3217 534 Pls
25 3440 502 Pls
26 3440 504 Pls
27 3664 475 Pls
28 3664 470 Pls
29 3887 450 Pls
30 3887 445 Pls
31 4111 416 Pls
32 4111 420 Pls
33 3938 3259 Pls
34 1.200 UP
35 1.000 UL
36 LT1
37 LTb
38 LT1
39 676 1325 Crs
40 676 1322 Crs
41 1047 1238 Crs
42 1047 1242 Crs
43 1418 1163 Crs
44 1603 1124 Crs
45 1789 1084 Crs
46 1789 1087 Crs
47 1974 1044 Crs
48 1974 1044 Crs
49 2160 999 Crs
50 2160 996 Crs
51 2345 959 Crs
52 2345 963 Crs
53 2531 878 Crs
54 2716 869 Crs
55 2716 863 Crs
56 2902 819 Crs
57 2902 815 Crs
58 3050 775 Crs
59 3050 772 Crs
60

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1
2
3 3198 732 Crs
4 3198 728 Crs
5 3347 685 Crs
6 3347 684 Crs
7 3495 634 Crs
8 3495 621 Crs
9 3569 610 Crs
10 3569 616 Crs
11 3643 579 Crs
12 3643 579 Crs
13 3717 552 Crs
14 3717 550 Crs
15 3792 520 Crs
16 3866 492 Crs
17 3866 482 Crs
18 3940 450 Crs
19 3940 456 Crs
20 4014 424 Crs
21 4014 422 Crs
22 4088 381 Crs
23 4088 384 Crs
24 4163 345 Crs
25 4163 354 Crs
26 2902 822 Crs
27 3050 778 Crs
28 3050 777 Crs
29 3198 732 Crs
30 3198 730 Crs
31 3347 691 Crs
32 3347 689 Crs
33 3495 637 Crs
34 3495 639 Crs
35 3569 612 Crs
36 3569 612 Crs
37 3643 584 Crs
38 3643 588 Crs
39 3717 559 Crs
40 3717 554 Crs
41 3792 524 Crs
42 3792 529 Crs
43 3866 493 Crs
44 3866 486 Crs
45 3940 463 Crs
46 3940 469 Crs
47 4014 424 Crs
48 4014 424 Crs
49 4088 394 Crs
50 4088 390 Crs
51 4163 347 Crs
52 4163 360 Crs
53 2531 912 Crs
54 1418 1159 Crs
55 3938 3159 Crs
56 1.200 UP
57 1.000 UL
58 LT2
59 LTb
60

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1
2
3 LT2
4 981 2063 Star
5 981 2118 Star
6 1875 2054 Star
7 1875 2088 Star
8 2770 2086 Star
9 2770 2058 Star
10 3217 2077 Star
11 3217 2113 Star
12 3440 2110 Star
13 3440 2098 Star
14 3664 2104 Star
15 3664 2115 Star
16 3887 2143 Star
17 3887 2161 Star
18 4111 2125 Star
19 4111 2121 Star
20 3938 3059 Star
21 1.200 UP
22 1.000 UL
23 LT3
24 LTb
25 LT3
26 711 1533 Box
27 711 1536 Box
28 1091 1496 Box
29 1091 1535 Box
30 1470 1488 Box
31 1470 1463 Box
32 1850 1492 Box
33 1850 1523 Box
34 2229 1502 Box
35 2229 1504 Box
36 2609 1524 Box
37 2609 1517 Box
38 2989 1535 Box
39 2989 1526 Box
40 3368 1523 Box
41 3368 1547 Box
42 3748 1670 Box
43 3748 1568 Box
44 4127 1760 Box
45 4127 1580 Box
46 2229 1520 Box
47 2229 1515 Box
48 2609 1504 Box
49 2609 1537 Box
50 2837 1612 Box
51 2837 1588 Box
52 3140 1582 Box
53 3140 1554 Box
54 3444 1558 Box
55 3444 1519 Box
56 3748 1594 Box
57 3748 1543 Box
58 4052 1591 Box
59 4052 1603 Box
60

1
2
3 3938 2959 Box
4 1.200 UP
5 1.000 UL
6 LT4
7 LTb
8 LT4
9 676 2299 BoxF
10 676 2285 BoxF
11 1047 2225 BoxF
12 1047 2220 BoxF
13 1418 2169 BoxF
14 1603 2161 BoxF
15 1789 2149 BoxF
16 1789 2150 BoxF
17 1974 2137 BoxF
18 1974 2138 BoxF
19 2160 2124 BoxF
20 2160 2136 BoxF
21 2345 2130 BoxF
22 2345 2119 BoxF
23 2531 2132 BoxF
24 2716 2177 BoxF
25 2716 2142 BoxF
26 2902 2150 BoxF
27 2902 2147 BoxF
28 3050 2155 BoxF
29 3050 2143 BoxF
30 3198 2166 BoxF
31 3198 2175 BoxF
32 3347 2168 BoxF
33 3347 2221 BoxF
34 3495 2204 BoxF
35 3495 2209 BoxF
36 3569 2237 BoxF
37 3569 2240 BoxF
38 3643 2237 BoxF
39 3643 2242 BoxF
40 3717 2280 BoxF
41 3717 2270 BoxF
42 3792 2275 BoxF
43 3866 2285 BoxF
44 3866 2301 BoxF
45 3940 2360 BoxF
46 3940 2296 BoxF
47 4014 2301 BoxF
48 4014 2370 BoxF
49 4088 2319 BoxF
50 4088 2382 BoxF
51 4163 2400 BoxF
52 4163 2410 BoxF
53 2902 2162 BoxF
54 3050 2137 BoxF
55 3050 2167 BoxF
56 3198 2173 BoxF
57 3198 2187 BoxF
58 3347 2262 BoxF
59 3347 2213 BoxF
60

1
2
3 3495 2190 BoxF
4 3495 2210 BoxF
5 3569 2230 BoxF
6 3569 2235 BoxF
7 3643 2259 BoxF
8 3643 2251 BoxF
9 3717 2257 BoxF
10 3717 2232 BoxF
11 3792 2294 BoxF
12 3792 2278 BoxF
13 3866 2286 BoxF
14 3866 2302 BoxF
15 3940 2318 BoxF
16 3940 2341 BoxF
17 4014 2341 BoxF
18 4014 2357 BoxF
19 4088 2350 BoxF
20 4088 2356 BoxF
21 4163 2418 BoxF
22 4163 2355 BoxF
23 2531 2130 BoxF
24 1418 2184 BoxF
25 3938 2859 BoxF
26 1.000 UL
27 LT5
28 550 967 M
29 37 -6 V
30 36 -6 V
31 37 -7 V
32 36 -6 V
33 37 -7 V
34 36 -6 V
35 37 -7 V
36 37 -6 V
37 36 -7 V
38 37 -6 V
39 36 -7 V
40 37 -6 V
41 36 -7 V
42 37 -6 V
43 37 -7 V
44 36 -6 V
45 37 -7 V
46 36 -6 V
47 37 -7 V
48 36 -6 V
49 37 -6 V
50 37 -7 V
51 36 -6 V
52 37 -7 V
53 36 -6 V
54 37 -6 V
55 36 -7 V
56 37 -6 V
57 37 -6 V
58 37 -6 V
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1
2
3 36 -7 V
4 37 -6 V
5 36 -6 V
6 37 -6 V
7 36 -6 V
8 37 -7 V
9 36 -6 V
10 37 -6 V
11 37 -6 V
12 36 -6 V
13 37 -6 V
14 36 -6 V
15 37 -6 V
16 36 -6 V
17 37 -6 V
18 37 -5 V
19 36 -6 V
20 37 -6 V
21 36 -6 V
22 37 -5 V
23 36 -6 V
24 37 -6 V
25 37 -5 V
26 36 -6 V
27 37 -5 V
28 36 -6 V
29 37 -5 V
30 36 -6 V
31 37 -5 V
32 37 -5 V
33 36 -6 V
34 37 -5 V
35 36 -5 V
36 37 -5 V
37 36 -5 V
38 37 -5 V
39 36 -5 V
40 37 -5 V
41 37 -5 V
42 36 -5 V
43 37 -5 V
44 36 -5 V
45 37 -5 V
46 36 -5 V
47 37 -5 V
48 36 -4 V
49 37 -5 V
50 36 -5 V
51 37 -4 V
52 36 -5 V
53 37 -5 V
54 37 -4 V
55 36 -5 V
56 37 -5 V
57 36 -4 V
58 37 -5 V
59
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1
2
3 36 -4 V
4 37 -5 V
5 36 -5 V
6 37 -4 V
7 37 -5 V
8 36 -4 V
9 37 -5 V
10 36 -4 V
11 37 -5 V
12 36 -4 V
13 37 -5 V
14 1.000 UL
15 LT6
16 550 1335 M
17 37 -6 V
18 36 -5 V
19 37 -6 V
20 36 -6 V
21 37 -6 V
22 36 -6 V
23 37 -7 V
24 37 -6 V
25 36 -6 V
26 37 -7 V
27 36 -7 V
28 37 -6 V
29 36 -7 V
30 37 -7 V
31 36 -7 V
32 37 -7 V
33 37 -8 V
34 36 -7 V
35 37 -7 V
36 36 -8 V
37 37 -8 V
38 36 -8 V
39 37 -8 V
40 37 -8 V
41 36 -8 V
42 37 -8 V
43 36 -8 V
44 37 -9 V
45 36 -8 V
46 37 -9 V
47 36 -9 V
48 37 -9 V
49 36 -9 V
50 37 -9 V
51 36 -9 V
52 37 -10 V
53 36 -9 V
54 37 -9 V
55 37 -10 V
56 36 -10 V
57 37 -9 V
58 36 -10 V
59
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1
2
3 37 -9 V
4 36 -10 V
5 37 -10 V
6 37 -9 V
7 36 -10 V
8 37 -10 V
9 36 -9 V
10 37 -10 V
11 36 -9 V
12 37 -10 V
13 37 -9 V
14 36 -9 V
15 37 -9 V
16 36 -9 V
17 37 -9 V
18 36 -8 V
19 37 -9 V
20 37 -8 V
21 36 -9 V
22 37 -8 V
23 36 -8 V
24 37 -8 V
25 36 -8 V
26 37 -8 V
27 36 -8 V
28 37 -8 V
29 37 -8 V
30 36 -8 V
31 37 -8 V
32 36 -9 V
33 37 -9 V
34 36 -9 V
35 37 -9 V
36 37 -11 V
37 36 -10 V
38 37 -12 V
39 36 -12 V
40 37 -13 V
41 36 -14 V
42 37 -15 V
43 37 -17 V
44 36 -17 V
45 37 -19 V
46 36 -21 V
47 37 -22 V
48 36 -23 V
49 37 -24 V
50 36 -25 V
51 37 -25 V
52 37 -23 V
53 36 -20 V
54 37 -13 V
55 36 -5 V
56 37 7 V
57 36 20 V
58 37 32 V
59 1.000 UL
60

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1
2
3 LT7
4 550 2096 M
5 37 -1 V
6 36 0 V
7 37 -1 V
8 36 0 V
9 37 -1 V
10 36 0 V
11 37 -1 V
12 37 0 V
13 36 -1 V
14 37 0 V
15 36 -1 V
16 37 0 V
17 36 -1 V
18 37 0 V
19 36 -1 V
20 37 -1 V
21 37 0 V
22 36 -1 V
23 37 0 V
24 36 -1 V
25 37 0 V
26 36 -1 V
27 37 0 V
28 37 -1 V
29 36 0 V
30 37 -1 V
31 36 0 V
32 37 -1 V
33 36 0 V
34 37 -1 V
35 36 0 V
36 37 -1 V
37 36 0 V
38 37 -1 V
39 36 0 V
40 37 -1 V
41 36 0 V
42 37 -1 V
43 37 0 V
44 36 -1 V
45 37 0 V
46 36 -1 V
47 37 0 V
48 36 0 V
49 37 -1 V
50 37 0 V
51 36 0 V
52 37 -1 V
53 36 0 V
54 37 0 V
55 36 -1 V
56 37 0 V
57 37 0 V
58 36 0 V
59
60

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1
2
3 37 0 V
4 36 0 V
5 37 0 V
6 36 1 V
7 37 0 V
8 37 1 V
9 36 0 V
10 37 1 V
11 36 1 V
12 37 0 V
13 36 2 V
14 37 1 V
15 36 1 V
16 37 2 V
17 37 1 V
18 36 2 V
19 37 2 V
20 36 2 V
21 37 3 V
22 36 2 V
23 37 3 V
24 37 3 V
25 36 3 V
26 37 3 V
27 36 3 V
28 37 4 V
29 36 3 V
30 37 4 V
31 37 3 V
32 36 4 V
33 37 3 V
34 36 3 V
35 37 3 V
36 36 3 V
37 37 2 V
38 36 2 V
39 37 1 V
40 37 0 V
41 36 -1 V
42 37 -2 V
43 36 -4 V
44 37 -6 V
45 36 -9 V
46 37 -12 V
47 1.000 UL
48 LT8
49 550 1529 M
50 37 -1 V
51 36 -1 V
52 37 -1 V
53 36 -1 V
54 37 -1 V
55 36 -1 V
56 37 -1 V
57 36 -1 V
58 37 -2 V
59
60

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1
2
3 36 -1 V
4 37 -1 V
5 36 -1 V
6 37 0 V
7 36 -1 V
8 37 -1 V
9 37 -1 V
10 36 -1 V
11 37 -1 V
12 36 -1 V
13 37 -1 V
14 36 0 V
15 37 -1 V
16 37 -1 V
17 36 0 V
18 37 -1 V
19 36 0 V
20 37 -1 V
21 36 0 V
22 37 0 V
23 37 0 V
24 36 0 V
25 37 -1 V
26 36 0 V
27 37 1 V
28 36 0 V
29 37 0 V
30 36 0 V
31 37 1 V
32 37 1 V
33 36 0 V
34 37 1 V
35 36 1 V
36 37 1 V
37 36 1 V
38 37 1 V
39 37 1 V
40 36 2 V
41 37 1 V
42 36 2 V
43 37 2 V
44 36 1 V
45 37 2 V
46 37 2 V
47 36 2 V
48 37 2 V
49 36 2 V
50 37 3 V
51 36 2 V
52 37 2 V
53 37 2 V
54 36 3 V
55 37 2 V
56 36 2 V
57 37 2 V
58 36 2 V
59 37 2 V
60

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1
2
3 36 2 V
4 37 2 V
5 37 2 V
6 36 2 V
7 37 1 V
8 36 2 V
9 37 1 V
10 36 1 V
11 37 1 V
12 37 1 V
13 36 1 V
14 37 0 V
15 36 1 V
16 37 0 V
17 36 1 V
18 37 0 V
19 37 0 V
20 36 1 V
21 37 1 V
22 36 1 V
23 37 2 V
24 36 3 V
25 37 3 V
26 36 5 V
27 37 6 V
28 37 8 V
29 36 10 V
30 37 12 V
31 36 15 V
32 37 16 V
33 36 20 V
34 37 22 V
35 1.000 UL
36 LT0
37 550 2320 M
38 37 -8 V
39 36 -8 V
40 37 -7 V
41 36 -8 V
42 37 -8 V
43 36 -7 V
44 37 -7 V
45 37 -8 V
46 36 -7 V
47 37 -6 V
48 36 -7 V
49 37 -6 V
50 36 -6 V
51 37 -5 V
52 37 -6 V
53 36 -5 V
54 37 -5 V
55 36 -5 V
56 37 -4 V
57 36 -4 V
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1
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3 37 -4 V
4 37 -4 V
5 36 -4 V
6 37 -3 V
7 36 -4 V
8 37 -2 V
9 36 -3 V
10 37 -3 V
11 37 -2 V
12 36 -2 V
13 37 -2 V
14 36 -2 V
15 37 -2 V
16 36 -1 V
17 37 -1 V
18 36 -1 V
19 37 -1 V
20 37 -1 V
21 36 -1 V
22 37 0 V
23 36 -1 V
24 37 0 V
25 36 0 V
26 37 -1 V
27 37 0 V
28 36 1 V
29 37 0 V
30 36 0 V
31 37 0 V
32 36 1 V
33 37 1 V
34 37 0 V
35 36 1 V
36 37 1 V
37 36 1 V
38 37 1 V
39 36 1 V
40 37 2 V
41 37 1 V
42 36 2 V
43 37 2 V
44 36 1 V
45 37 3 V
46 36 2 V
47 37 2 V
48 36 3 V
49 37 3 V
50 37 3 V
51 36 4 V
52 37 3 V
53 36 4 V
54 37 4 V
55 36 5 V
56 37 5 V
57 37 5 V
58 36 5 V
59 37 6 V
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1
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3      36 6 V
4      37 7 V
5      36 6 V
6      37 8 V
7      37 7 V
8      36 8 V
9      37 8 V
10     36 9 V
11     37 8 V
12     36 10 V
13     37 9 V
14     36 10 V
15     37 10 V
16     37 10 V
17     36 11 V
18     37 11 V
19     36 11 V
20     37 11 V
21     36 12 V
22     37 12 V
23     1.000 UL
24     LTb
25     550 300 M
26     3620 0 V
27     0 3072 V
28     -3620 0 V
29     550 300 L
30     1.000 UP
31     stroke
32     grestore
33     end
34     showpage
35     } }%
36     \put(3757,2859){\rjust{\large 12 V}}%
37     \put(3757,2959){\rjust{\large 4 V}}%
38     \put(3757,3059){\rjust{\large 3.3 V}}%
39     \put(3757,3159){\rjust{\large 12 D}}%
40     \put(3757,3259){\rjust{\large 3.3 D}}%
41     \put(3491,914){\cjust{\large Diffusion}}%
42     \put(1907,2573){\cjust{\large Viscosity}}%
43     \put(2360,3522){\cjust{ }}%
44     \put(2360,50){\cjust{\large  $\zeta/\zeta_b$  }}%
45     \put(100,1836){%
46     \special{ps: gsave currentpoint currentpoint translate
47     270 rotate neg exch neg exch translate}%
48     \cstack{\large  $\tau_D$ ,  $\tau_s$  }%
49     \special{ps: currentpoint grestore moveto}%
50     }%
51     \put(4170,200){\cjust{\large 1.1}}%
52     \put(3717,200){\cjust{\large 1}}%
53     \put(3265,200){\cjust{\large 0.9}}%
54     \put(2812,200){\cjust{\large 0.8}}%
55     \put(2360,200){\cjust{\large 0.7}}%
56     \put(1907,200){\cjust{\large 0.6}}%
57     \put(1455,200){\cjust{\large 0.5}}%
58     \put(1003,200){\cjust{\large 0.4}}%
59     \put(550,200){\cjust{\large 0.3}}%
60

```

```
1
2
3 \put (500,3372){\rjust{\large 10}}%
4 \put (500,2758){\rjust{\large 1}}%
5 \put (500,2143){\rjust{\large 0.1}}%
6 \put (500,1529){\rjust{\large 0.01}}%
7 \put (500,914){\rjust{\large 0.001}}%
8 \put (500,300){\rjust{\large 1e-04}}%
9 \endGNUPLOTpicture
10 \endgroup
11 \endinput
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
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```

For Peer Review Only


```

1
2
3 % GNUPLOT: plain TeX with Postscript
4 \beginingroup
5   \catcode`\@=11\relax
6   \def\GNUPLOTspecial{%
7     \def\do##1{\catcode`##1=12\relax}\dospecials
8     \catcode`\{=1\catcode`\}=2\catcode`\%=14\relax\special}%
9 %
10 \expandafter\ifx\csname GNUPLOTpicture\endcsname\relax
11   \csname newdimen\endcsname\GNUPLOTunit
12   \gdef\GNUPLOTpicture(#1,#2){\vbox to#2\GNUPLOTunit\bgroup
13     \def\put(##1,##2)##3{\unskip\raise##2\GNUPLOTunit
14       \hbox to0pt{\kern##1\GNUPLOTunit ##3\hss}\ignorespaces}%
15     \def\ljust##1{\vbox to0pt{\vss\hbox to0pt{##1\hss}\vss}}%
16     \def\cjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1\hss}\vss}}%
17     \def\rjust##1{\vbox to0pt{\vss\hbox to0pt{\hss ##1}\vss}}%
18     \def\stack##1{\let\=\cr\tabskip=0pt\halign{\hfil ###\hfil\cr ##1\cr}}%
19     \def\lstack##1{\hbox to0pt{\vbox to0pt{\vss\stack{##1}}\hss}}%
20     \def\cstack##1{\hbox to0pt{\hss\vbox to0pt{\vss\stack{##1}}\hss}}%
21     \def\rstack##1{\hbox to0pt{\vbox to0pt{\stack{##1}\vss}\hss}}%
22     \vss\hbox to#1\GNUPLOTunit\bgroup\ignorespaces}%
23   \gdef\endGNUPLOTpicture{\hss\egroup\egroup}%
24 \fi
25 \GNUPLOTunit=0.1bp
26 \GNUPLOTpicture(4320,3672)
27 {\GNUPLOTspecial{"
28 %!PS-Adobe-2.0 EPSF-2.0
29 %%Title: figure10.tex
30 %%Creator: gnuplot 4.0 patchlevel 0
31 %%CreationDate: Wed Nov 5 18:19:23 2008
32 %%DocumentFonts:
33 %%BoundingBox: 0 0 432 367
34 %%Orientation: Landscape
35 %%EndComments
36 /gnudict 256 dict def
37 gnudict begin
38 /Color false def
39 /Solid false def
40 /gnulinewidth 10.000 def
41 /userlinewidth gnulinewidth def
42 /vshift -33 def
43 /dl {10.0 mul} def
44 /hpt_ 31.5 def
45 /vpt_ 31.5 def
46 /hpt hpt_ def
47 /vpt vpt_ def
48 /Rounded false def
49 /M {moveto} bind def
50 /L {lineto} bind def
51 /R {rmoveto} bind def
52 /V {rlineto} bind def
53 /N {newpath moveto} bind def
54 /C {setrgbcolor} bind def
55 /f {rlineto fill} bind def
56 /vpt2 vpt 2 mul def
57 /hpt2 hpt 2 mul def
58 /Lshow { currentpoint stroke M
59   0 vshift R show } def
60

```

```

1
2
3 /Rshow { currentpoint stroke M
4   dup stringwidth pop neg vshift R show } def
5 /Cshow { currentpoint stroke M
6   dup stringwidth pop -2 div vshift R show } def
7 /UP { dup vpt_ mul /vpt exch def hpt_ mul /hpt exch def
8   /hpt2 hpt 2 mul def /vpt2 vpt 2 mul def } def
9 /DL { Color {setrgbcolor Solid {pop []} if 0 setdash }
10  {pop pop pop 0 setgray Solid {pop []} if 0 setdash} ifelse } def
11 /BL { stroke userlinewidth 2 mul setlinewidth
12   Rounded { 1 setlinejoin 1 setlinecap } if } def
13 /AL { stroke userlinewidth 2 div setlinewidth
14   Rounded { 1 setlinejoin 1 setlinecap } if } def
15 /UL { dup gnulinewidth mul /userlinewidth exch def
16   dup 1 lt {pop 1} if 10 mul /udl exch def } def
17 /PL { stroke userlinewidth setlinewidth
18   Rounded { 1 setlinejoin 1 setlinecap } if } def
19 /LTw { PL [] 1 setgray } def
20 /LTb { BL [] 0 0 0 DL } def
21 /LTa { AL [1 udl mul 2 udl mul] 0 setdash 0 0 0 setrgbcolor } def
22 /LT0 { PL [] 1 0 0 DL } def
23 /LT1 { PL [4 dl 2 dl] 0 1 0 DL } def
24 /LT2 { PL [2 dl 3 dl] 0 0 1 DL } def
25 /LT3 { PL [1 dl 1.5 dl] 1 0 1 DL } def
26 /LT4 { PL [5 dl 2 dl 1 dl 2 dl] 0 1 1 DL } def
27 /LT5 { PL [4 dl 3 dl 1 dl 3 dl] 1 1 0 DL } def
28 /LT6 { PL [2 dl 2 dl 2 dl 4 dl] 0 0 0 DL } def
29 /LT7 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 1 0.3 0 DL } def
30 /LT8 { PL [2 dl 2 dl 2 dl 2 dl 2 dl 2 dl 4 dl] 0.5 0.5 0.5 DL } def
31 /Pnt { stroke [] 0 setdash
32   gsave 1 setlinecap M 0 0 V stroke grestore } def
33 /Dia { stroke [] 0 setdash 2 copy vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V closepath stroke
36   Pnt } def
37 /Pls { stroke [] 0 setdash vpt sub M 0 vpt2 V
38   currentpoint stroke M
39   hpt neg vpt neg R hpt2 0 V stroke
40   } def
41 /Box { stroke [] 0 setdash 2 copy exch hpt sub exch vpt add M
42   0 vpt2 neg V hpt2 0 V 0 vpt2 V
43   hpt2 neg 0 V closepath stroke
44   Pnt } def
45 /Crs { stroke [] 0 setdash exch hpt sub exch vpt add M
46   hpt2 vpt2 neg V currentpoint stroke M
47   hpt2 neg 0 R hpt2 vpt2 V stroke } def
48 /TriU { stroke [] 0 setdash 2 copy vpt 1.12 mul add M
49   hpt neg vpt -1.62 mul V
50   hpt 2 mul 0 V
51   hpt neg vpt 1.62 mul V closepath stroke
52   Pnt } def
53 /Star { 2 copy Pls Crs } def
54 /BoxF { stroke [] 0 setdash exch hpt sub exch vpt add M
55   0 vpt2 neg V hpt2 0 V 0 vpt2 V
56   hpt2 neg 0 V closepath fill } def
57 /TriUF { stroke [] 0 setdash vpt 1.12 mul add M
58   hpt neg vpt -1.62 mul V
59   hpt 2 mul 0 V
60

```

```

1
2
3     hpt neg vpt 1.62 mul V closepath fill } def
4 /TriD { stroke [] 0 setdash 2 copy vpt 1.12 mul sub M
5     hpt neg vpt 1.62 mul V
6     hpt 2 mul 0 V
7     hpt neg vpt -1.62 mul V closepath stroke
8     Pnt } def
9 /TriDF { stroke [] 0 setdash vpt 1.12 mul sub M
10    hpt neg vpt 1.62 mul V
11    hpt 2 mul 0 V
12    hpt neg vpt -1.62 mul V closepath fill} def
13 /DiaF { stroke [] 0 setdash vpt add M
14    hpt neg vpt neg V hpt vpt neg V
15    hpt vpt V hpt neg vpt V closepath fill } def
16 /Pent { stroke [] 0 setdash 2 copy gsave
17     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
18     closepath stroke grestore Pnt } def
19 /PentF { stroke [] 0 setdash gsave
20     translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
21     closepath fill grestore } def
22 /Circle { stroke [] 0 setdash 2 copy
23     hpt 0 360 arc stroke Pnt } def
24 /CircleF { stroke [] 0 setdash hpt 0 360 arc fill } def
25 /C0 { BL [] 0 setdash 2 copy moveto vpt 90 450 arc } bind def
26 /C1 { BL [] 0 setdash 2 copy
27     2 copy vpt 0 90 arc closepath fill
28     vpt 0 360 arc closepath } bind def
29 /C2 { BL [] 0 setdash 2 copy moveto
30     2 copy vpt 90 180 arc closepath fill
31     vpt 0 360 arc closepath } bind def
32 /C3 { BL [] 0 setdash 2 copy moveto
33     2 copy vpt 0 180 arc closepath fill
34     vpt 0 360 arc closepath } bind def
35 /C4 { BL [] 0 setdash 2 copy moveto
36     2 copy vpt 180 270 arc closepath fill
37     vpt 0 360 arc closepath } bind def
38 /C5 { BL [] 0 setdash 2 copy moveto
39     2 copy vpt 0 90 arc
40     2 copy moveto
41     2 copy vpt 180 270 arc closepath fill
42     vpt 0 360 arc } bind def
43 /C6 { BL [] 0 setdash 2 copy moveto
44     2 copy vpt 90 270 arc closepath fill
45     vpt 0 360 arc closepath } bind def
46 /C7 { BL [] 0 setdash 2 copy moveto
47     2 copy vpt 0 270 arc closepath fill
48     vpt 0 360 arc closepath } bind def
49 /C8 { BL [] 0 setdash 2 copy moveto
50     2 copy vpt 270 360 arc closepath fill
51     vpt 0 360 arc closepath } bind def
52 /C9 { BL [] 0 setdash 2 copy moveto
53     2 copy vpt 270 450 arc closepath fill
54     vpt 0 360 arc closepath } bind def
55 /C10 { BL [] 0 setdash 2 copy 2 copy moveto vpt 270 360 arc closepath fill
56     2 copy moveto
57     2 copy vpt 90 180 arc closepath fill
58     vpt 0 360 arc closepath } bind def
59 /C11 { BL [] 0 setdash 2 copy moveto
60

```

```

1
2
3      2 copy vpt 0 180 arc closepath fill
4      2 copy moveto
5      2 copy vpt 270 360 arc closepath fill
6      vpt 0 360 arc closepath } bind def
7 /C12 { BL [] 0 setdash 2 copy moveto
8      2 copy vpt 180 360 arc closepath fill
9      vpt 0 360 arc closepath } bind def
10 /C13 { BL [] 0 setdash 2 copy moveto
11      2 copy vpt 0 90 arc closepath fill
12      2 copy moveto
13      2 copy vpt 180 360 arc closepath fill
14      vpt 0 360 arc closepath } bind def
15 /C14 { BL [] 0 setdash 2 copy moveto
16      2 copy vpt 90 360 arc closepath fill
17      vpt 0 360 arc } bind def
18 /C15 { BL [] 0 setdash 2 copy vpt 0 360 arc closepath fill
19      vpt 0 360 arc closepath } bind def
20 /Rec { newpath 4 2 roll moveto 1 index 0 rlineto 0 exch rlineto
21      neg 0 rlineto closepath } bind def
22 /Square { dup Rec } bind def
23 /Bsquare { vpt sub exch vpt sub exch vpt2 Square } bind def
24 /S0 { BL [] 0 setdash 2 copy moveto 0 vpt rlineto BL Bsquare } bind def
25 /S1 { BL [] 0 setdash 2 copy vpt Square fill Bsquare } bind def
26 /S2 { BL [] 0 setdash 2 copy exch vpt sub exch vpt Square fill Bsquare } bind
27 def
28 /S3 { BL [] 0 setdash 2 copy exch vpt sub exch vpt2 vpt Rec fill Bsquare } bind
29 def
30 /S4 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt Square fill Bsquare }
31 bind def
32 /S5 { BL [] 0 setdash 2 copy 2 copy vpt Square fill
33      exch vpt sub exch vpt sub vpt Square fill Bsquare } bind def
34 /S6 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill Bsquare
35 } bind def
36 /S7 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt vpt2 Rec fill
37      2 copy vpt Square fill
38      Bsquare } bind def
39 /S8 { BL [] 0 setdash 2 copy vpt sub vpt Square fill Bsquare } bind def
40 /S9 { BL [] 0 setdash 2 copy vpt sub vpt vpt2 Rec fill Bsquare } bind def
41 /S10 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
42      vpt Square fill
43      Bsquare } bind def
44 /S11 { BL [] 0 setdash 2 copy vpt sub vpt Square fill 2 copy exch vpt sub exch
45      vpt2 vpt Rec fill
46      Bsquare } bind def
47 /S12 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
48      Bsquare } bind def
49 /S13 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
50      2 copy vpt Square fill Bsquare } bind def
51 /S14 { BL [] 0 setdash 2 copy exch vpt sub exch vpt sub vpt2 vpt Rec fill
52      2 copy exch vpt sub exch vpt Square fill Bsquare } bind def
53 /S15 { BL [] 0 setdash 2 copy Bsquare fill Bsquare } bind def
54 /D0 { gsave translate 45 rotate 0 0 S0 stroke grestore } bind def
55 /D1 { gsave translate 45 rotate 0 0 S1 stroke grestore } bind def
56 /D2 { gsave translate 45 rotate 0 0 S2 stroke grestore } bind def
57 /D3 { gsave translate 45 rotate 0 0 S3 stroke grestore } bind def
58 /D4 { gsave translate 45 rotate 0 0 S4 stroke grestore } bind def
59 /D5 { gsave translate 45 rotate 0 0 S5 stroke grestore } bind def
60

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1
2
3 /D6 { gsave translate 45 rotate 0 0 S6 stroke grestore } bind def
4 /D7 { gsave translate 45 rotate 0 0 S7 stroke grestore } bind def
5 /D8 { gsave translate 45 rotate 0 0 S8 stroke grestore } bind def
6 /D9 { gsave translate 45 rotate 0 0 S9 stroke grestore } bind def
7 /D10 { gsave translate 45 rotate 0 0 S10 stroke grestore } bind def
8 /D11 { gsave translate 45 rotate 0 0 S11 stroke grestore } bind def
9 /D12 { gsave translate 45 rotate 0 0 S12 stroke grestore } bind def
10 /D13 { gsave translate 45 rotate 0 0 S13 stroke grestore } bind def
11 /D14 { gsave translate 45 rotate 0 0 S14 stroke grestore } bind def
12 /D15 { gsave translate 45 rotate 0 0 S15 stroke grestore } bind def
13 /DiaE { stroke [] 0 setdash vpt add M
14   hpt neg vpt neg V hpt vpt neg V
15   hpt vpt V hpt neg vpt V closepath stroke } def
16 /BoxE { stroke [] 0 setdash exch hpt sub exch vpt add M
17   0 vpt2 neg V hpt2 0 V 0 vpt2 V
18   hpt2 neg 0 V closepath stroke } def
19 /TriUE { stroke [] 0 setdash vpt 1.12 mul add M
20   hpt neg vpt -1.62 mul V
21   hpt 2 mul 0 V
22   hpt neg vpt 1.62 mul V closepath stroke } def
23 /TriDE { stroke [] 0 setdash vpt 1.12 mul sub M
24   hpt neg vpt 1.62 mul V
25   hpt 2 mul 0 V
26   hpt neg vpt -1.62 mul V closepath stroke } def
27 /PentE { stroke [] 0 setdash gsave
28   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
29   closepath stroke grestore } def
30 /CircE { stroke [] 0 setdash
31   hpt 0 360 arc stroke } def
32 /Opaque { gsave closepath 1 setgray fill grestore 0 setgray closepath } def
33 /DiaW { stroke [] 0 setdash vpt add M
34   hpt neg vpt neg V hpt vpt neg V
35   hpt vpt V hpt neg vpt V Opaque stroke } def
36 /BoxW { stroke [] 0 setdash exch hpt sub exch vpt add M
37   0 vpt2 neg V hpt2 0 V 0 vpt2 V
38   hpt2 neg 0 V Opaque stroke } def
39 /TriUW { stroke [] 0 setdash vpt 1.12 mul add M
40   hpt neg vpt -1.62 mul V
41   hpt 2 mul 0 V
42   hpt neg vpt 1.62 mul V Opaque stroke } def
43 /TriDW { stroke [] 0 setdash vpt 1.12 mul sub M
44   hpt neg vpt 1.62 mul V
45   hpt 2 mul 0 V
46   hpt neg vpt -1.62 mul V Opaque stroke } def
47 /PentW { stroke [] 0 setdash gsave
48   translate 0 hpt M 4 {72 rotate 0 hpt L} repeat
49   Opaque stroke grestore } def
50 /CircW { stroke [] 0 setdash
51   hpt 0 360 arc Opaque stroke } def
52 /BoxFill { gsave Rec 1 setgray fill grestore } def
53 /BoxColFill {
54   gsave Rec
55   /Fillden exch def
56   currentrgbcolor
57   /ColB exch def /ColG exch def /ColR exch def
58   /ColR ColR Fillden mul Fillden sub 1 add def
59   /ColG ColG Fillden mul Fillden sub 1 add def
60

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1
2
3   /ColB ColB Fillden mul Fillden sub 1 add def
4   ColR ColG ColB setrgbcolor
5   fill grestore } def
6
7   %
8   % PostScript Level 1 Pattern Fill routine
9   % Usage: x y w h s a XX PatternFill
10  %   x,y = lower left corner of box to be filled
11  %   w,h = width and height of box
12  %   a = angle in degrees between lines and x-axis
13  %   XX = 0/1 for no/yes cross-hatch
14  %
15  /PatternFill { gsave /PFa [ 9 2 roll ] def
16    PFa 0 get PFa 2 get 2 div add PFa 1 get PFa 3 get 2 div add translate
17    PFa 2 get -2 div PFa 3 get -2 div PFa 2 get PFa 3 get Rec
18    gsave 1 setgray fill grestore clip
19    currentlinewidth 0.5 mul setlinewidth
20    /PFs PFa 2 get dup mul PFa 3 get dup mul add sqrt def
21    0 0 M PFa 5 get rotate PFs -2 div dup translate
22    0 1 PFs PFa 4 get div 1 add floor cvi
23    { PFa 4 get mul 0 M 0 PFs V } for
24    0 PFa 6 get ne {
25      0 1 PFs PFa 4 get div 1 add floor cvi
26      { PFa 4 get mul 0 2 1 roll M PFs 0 V } for
27    } if
28    stroke grestore } def
29
30 %
31 /Symbol-Oblique /Symbol findfont [1 0 .167 1 0 0] makefont
32 dup length dict begin {1 index /FID eq {pop pop} {def} ifelse} forall
33 currentdict end definefont pop
34 end
35 %%EndProlog
36 gnudict begin
37 gsave
38 0 0 translate
39 0.100 0.100 scale
40 0 setgray
41 newpath
42 1.000 UL
43 LTb
44 1.000 UL
45 LTa
46 550 300 M
47 3620 0 V
48 1.000 UL
49 LTb
50 550 300 M
51 63 0 V
52 3557 0 R
53 -63 0 V
54 1.000 UL
55 LTb
56 550 408 M
57 31 0 V
58 3589 0 R
59 -31 0 V
60 550 550 M
61 31 0 V

```

1
2
3 3589 0 R
4 -31 0 V
5 550 623 M
6 31 0 V
7 3589 0 R
8 -31 0 V
9 1.000 UL
10 LTa
11 550 657 M
12 3620 0 V
13 1.000 UL
14 LTb
15 550 657 M
16 63 0 V
17 3557 0 R
18 -63 0 V
19 1.000 UL
20 LTb
21 550 765 M
22 31 0 V
23 3589 0 R
24 -31 0 V
25 550 907 M
26 31 0 V
27 3589 0 R
28 -31 0 V
29 550 980 M
30 31 0 V
31 3589 0 R
32 -31 0 V
33 1.000 UL
34 LTa
35 550 1014 M
36 3620 0 V
37 1.000 UL
38 LTb
39 550 1014 M
40 63 0 V
41 3557 0 R
42 -63 0 V
43 1.000 UL
44 LTb
45 550 1122 M
46 31 0 V
47 3589 0 R
48 -31 0 V
49 550 1264 M
50 31 0 V
51 3589 0 R
52 -31 0 V
53 550 1337 M
54 31 0 V
55 3589 0 R
56 -31 0 V
57 1.000 UL
58 LTa
59 550 1371 M
60

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1
2
3 3620 0 V
4 1.000 UL
5 LTb
6 550 1371 M
7 63 0 V
8 3557 0 R
9 -63 0 V
10 1.000 UL
11 LTb
12 550 1479 M
13 31 0 V
14 3589 0 R
15 -31 0 V
16 550 1621 M
17 31 0 V
18 3589 0 R
19 -31 0 V
20 550 1694 M
21 31 0 V
22 3589 0 R
23 -31 0 V
24 1.000 UL
25 LTa
26 550 1728 M
27 3620 0 V
28 1.000 UL
29 LTb
30 550 1728 M
31 63 0 V
32 3557 0 R
33 -63 0 V
34 1.000 UL
35 LTb
36 550 1836 M
37 31 0 V
38 3589 0 R
39 -31 0 V
40 550 1978 M
41 31 0 V
42 3589 0 R
43 -31 0 V
44 550 2051 M
45 31 0 V
46 3589 0 R
47 -31 0 V
48 1.000 UL
49 LTa
50 550 2086 M
51 3620 0 V
52 1.000 UL
53 LTb
54 550 2086 M
55 63 0 V
56 3557 0 R
57 -63 0 V
58 1.000 UL
59 LTb
60

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1
2
3 550 2193 M
4 31 0 V
5 3589 0 R
6 -31 0 V
7 550 2335 M
8 31 0 V
9 3589 0 R
10 -31 0 V
11 550 2408 M
12 31 0 V
13 3589 0 R
14 -31 0 V
15 1.000 UL
16 LTa
17 550 2443 M
18 3620 0 V
19 1.000 UL
20 LTb
21 550 2443 M
22 63 0 V
23 3557 0 R
24 -63 0 V
25 1.000 UL
26 LTb
27 550 2550 M
28 31 0 V
29 3589 0 R
30 -31 0 V
31 550 2692 M
32 31 0 V
33 3589 0 R
34 -31 0 V
35 550 2765 M
36 31 0 V
37 3589 0 R
38 -31 0 V
39 1.000 UL
40 LTa
41 550 2800 M
42 50 0 V
43 713 0 R
44 2857 0 V
45 1.000 UL
46 LTb
47 550 2800 M
48 63 0 V
49 3557 0 R
50 -63 0 V
51 1.000 UL
52 LTb
53 550 2907 M
54 31 0 V
55 3589 0 R
56 -31 0 V
57 550 3049 M
58 31 0 V
59 3589 0 R
60

For Peer Review Only

1
2
3 -31 0 V
4 550 3122 M
5 31 0 V
6 3589 0 R
7 -31 0 V
8 1.000 UL
9 LTa
10 550 3157 M
11 50 0 V
12 713 0 R
13 2857 0 V
14 1.000 UL
15 LTb
16 550 3157 M
17 63 0 V
18 3557 0 R
19 -63 0 V
20 1.000 UL
21 LTb
22 550 3264 M
23 31 0 V
24 3589 0 R
25 -31 0 V
26 1.000 UL
27 LTa
28 550 300 M
29 0 3072 V
30 1.000 UL
31 LTb
32 550 300 M
33 0 63 V
34 0 3009 R
35 0 -63 V
36 1.000 UL
37 LTb
38 1.000 UL
39 LTa
40 952 300 M
41 0 2409 V
42 0 600 R
43 0 63 V
44 1.000 UL
45 LTb
46 952 300 M
47 0 63 V
48 0 3009 R
49 0 -63 V
50 1.000 UL
51 LTb
52 1.000 UL
53 LTa
54 1354 300 M
55 0 3072 V
56 1.000 UL
57 LTb
58 1354 300 M
59 0 63 V
60

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1
2
3 0 3009 R
4 0 -63 V
5 1.000 UL
6 LTb
7 1.000 UL
8 LTa
9 1757 300 M
10 0 3072 V
11 1.000 UL
12 LTb
13 1757 300 M
14 0 63 V
15 0 3009 R
16 0 -63 V
17 1.000 UL
18 LTb
19 1.000 UL
20 LTa
21 2159 300 M
22 0 3072 V
23 1.000 UL
24 LTb
25 2159 300 M
26 0 63 V
27 0 3009 R
28 0 -63 V
29 1.000 UL
30 LTb
31 1.000 UL
32 LTa
33 2561 300 M
34 0 3072 V
35 1.000 UL
36 LTb
37 2561 300 M
38 0 63 V
39 0 3009 R
40 0 -63 V
41 1.000 UL
42 LTb
43 1.000 UL
44 LTa
45 2963 300 M
46 0 3072 V
47 1.000 UL
48 LTb
49 2963 300 M
50 0 63 V
51 0 3009 R
52 0 -63 V
53 1.000 UL
54 LTb
55 1.000 UL
56 LTa
57 3366 300 M
58 0 3072 V
59 1.000 UL
60

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1
2
3 LTb
4 3366 300 M
5 0 63 V
6 0 3009 R
7 0 -63 V
8 1.000 UL
9 LTb
10 1.000 UL
11 LTa
12 3768 300 M
13 0 3072 V
14 1.000 UL
15 LTb
16 3768 300 M
17 0 63 V
18 0 3009 R
19 0 -63 V
20 1.000 UL
21 LTb
22 1.000 UL
23 LTa
24 4170 300 M
25 0 3072 V
26 1.000 UL
27 LTb
28 4170 300 M
29 0 63 V
30 0 3009 R
31 0 -63 V
32 1.000 UL
33 LTb
34 1.000 UL
35 LTb
36 550 300 M
37 3620 0 V
38 0 3072 V
39 -3620 0 V
40 550 300 L
41 LTb
42 LTb
43 1.000 UP
44 LTb
45 LTb
46 LTb
47 LTb
48 LTb
49 LTb
50 1.200 UP
51 1.000 UL
52 LT0
53 LTb
54 LT0
55 933 781 Pls
56 933 813 Pls
57 1728 901 Pls
58 1728 921 Pls
59
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1
2
3 2523 1010 Pls
4 2523 994 Pls
5 2920 1042 Pls
6 2920 1063 Pls
7 3119 1078 Pls
8 3119 1071 Pls
9 3318 1091 Pls
10 3318 1097 Pls
11 3517 1129 Pls
12 3517 1140 Pls
13 3715 1133 Pls
14 3715 1131 Pls
15 3914 1147 Pls
16 3914 1137 Pls
17 4113 1180 Pls
18 4113 1185 Pls
19 1131 3259 Pls
20 1.200 UP
21 1.000 UL
22 LT1
23 LTb
24 LT1
25 933 1682 Crs
26 933 1714 Crs
27 1728 1677 Crs
28 1728 1696 Crs
29 2523 1695 Crs
30 2523 1679 Crs
31 2920 1690 Crs
32 2920 1711 Crs
33 3119 1709 Crs
34 3119 1702 Crs
35 3318 1706 Crs
36 3318 1712 Crs
37 3517 1728 Crs
38 3517 1739 Crs
39 3715 1718 Crs
40 3715 1716 Crs
41 3914 1717 Crs
42 3914 1707 Crs
43 4113 1737 Crs
44 4113 1742 Crs
45 1131 3159 Crs
46 1.200 UP
47 1.000 UL
48 LT2
49 LTb
50 LT2
51 933 2614 Star
52 933 2614 Star
53 1728 2738 Star
54 1728 2738 Star
55 2523 2829 Star
56 2523 2829 Star
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59 3119 2883 Star
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3 3119 2883 Star
4 3318 2899 Star
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6 3517 2915 Star
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8 3715 2930 Star
9 3715 2930 Star
10 3914 2944 Star
11 3914 2944 Star
12 4113 2957 Star
13 4113 2957 Star
14 1131 3059 Star
15 1.200 UP
16 1.000 UL
17 LT3
18 LTb
19 LT3
20 662 464 Box
21 662 455 Box
22 992 502 Box
23 992 500 Box
24 1321 543 Box
25 1486 572 Box
26 1651 598 Box
27 1651 599 Box
28 1816 622 Box
29 1816 623 Box
30 1981 645 Box
31 1981 652 Box
32 2146 678 Box
33 2146 672 Box
34 2311 707 Box
35 2475 761 Box
36 2475 740 Box
37 2640 772 Box
38 2640 770 Box
39 2772 796 Box
40 2772 789 Box
41 2904 823 Box
42 2904 827 Box
43 3036 844 Box
44 3036 874 Box
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46 3168 887 Box
47 3234 913 Box
48 3234 915 Box
49 3300 923 Box
50 3300 926 Box
51 3366 957 Box
52 3366 951 Box
53 3431 964 Box
54 3497 979 Box
55 3497 988 Box
56 3563 1032 Box
57 3563 995 Box
58 3629 1007 Box
59 3629 1047 Box
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3 3695 1026 Box
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5 3761 1082 Box
6 3761 1088 Box
7 3827 1107 Box
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9 3893 1142 Box
10 2640 779 Box
11 2772 786 Box
12 2772 803 Box
13 2904 827 Box
14 2904 834 Box
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16 3036 870 Box
17 3168 876 Box
18 3168 888 Box
19 3234 909 Box
20 3234 912 Box
21 3300 935 Box
22 3300 931 Box
23 3366 944 Box
24 3366 929 Box
25 3431 975 Box
26 3431 966 Box
27 3497 980 Box
28 3497 989 Box
29 3563 1008 Box
30 3563 1021 Box
31 3629 1030 Box
32 3629 1039 Box
33 3695 1044 Box
34 3695 1048 Box
35 3761 1093 Box
36 3761 1057 Box
37 3827 1129 Box
38 3827 1035 Box
39 3893 1131 Box
40 3893 1147 Box
41 2311 706 Box
42 1321 551 Box
43 1131 2959 Box
44 1.200 UP
45 1.000 UL
46 LT4
47 LTb
48 LT4
49 662 1819 BoxF
50 662 1811 BoxF
51 992 1776 BoxF
52 992 1773 BoxF
53 1321 1744 BoxF
54 1486 1739 BoxF
55 1651 1732 BoxF
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57 1816 1725 BoxF
58 1816 1725 BoxF
59 1981 1717 BoxF
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3 1981 1724 BoxF
4 2146 1721 BoxF
5 2146 1715 BoxF
6 2311 1722 BoxF
7 2475 1748 BoxF
8 2475 1728 BoxF
9 2640 1733 BoxF
10 2640 1731 BoxF
11 2772 1735 BoxF
12 2772 1728 BoxF
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14 2904 1747 BoxF
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16 3036 1773 BoxF
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18 3168 1767 BoxF
19 3234 1783 BoxF
20 3234 1784 BoxF
21 3300 1783 BoxF
22 3300 1786 BoxF
23 3366 1808 BoxF
24 3366 1802 BoxF
25 3431 1805 BoxF
26 3497 1811 BoxF
27 3497 1820 BoxF
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32 3695 1831 BoxF
33 3695 1868 BoxF
34 3761 1878 BoxF
35 3761 1884 BoxF
36 3827 1893 BoxF
37 3827 1905 BoxF
38 3893 1920 BoxF
39 2640 1739 BoxF
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41 2772 1742 BoxF
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45 3036 1769 BoxF
46 3168 1756 BoxF
47 3168 1767 BoxF
48 3234 1779 BoxF
49 3234 1782 BoxF
50 3300 1796 BoxF
51 3300 1791 BoxF
52 3366 1795 BoxF
53 3366 1780 BoxF
54 3431 1816 BoxF
55 3431 1807 BoxF
56 3497 1812 BoxF
57 3497 1821 BoxF
58 3563 1830 BoxF
59 3563 1843 BoxF
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3 3629 1843 BoxF
4 3629 1853 BoxF
5 3695 1849 BoxF
6 3695 1852 BoxF
7 3761 1888 BoxF
8 3761 1852 BoxF
9 3827 1915 BoxF
10 3827 1822 BoxF
11 3893 1909 BoxF
12 3893 1925 BoxF
13 2311 1721 BoxF
14 1321 1752 BoxF
15 1131 2859 BoxF
16 1.200 UP
17 1.000 UL
18 LT5
19 LTb
20 LT5
21 662 2159 Circle
22 662 2159 Circle
23 992 2241 Circle
24 992 2241 Circle
25 1321 2313 Circle
26 1486 2347 Circle
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28 1651 2381 Circle
29 1816 2411 Circle
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32 1981 2441 Circle
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40 2772 2575 Circle
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45 3036 2615 Circle
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47 3168 2634 Circle
48 3234 2644 Circle
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59 3629 2701 Circle
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4 3695 2710 Circle
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8 3827 2727 Circle
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11 3926 2728 Circle
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13 3959 2729 Circle
14 3959 2728 Circle
15 3992 2732 Circle
16 3992 2732 Circle
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18 4025 2736 Circle
19 2640 2554 Circle
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25 3036 2615 Circle
26 3168 2635 Circle
27 3168 2635 Circle
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30 3300 2654 Circle
31 3300 2654 Circle
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33 3366 2664 Circle
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38 3563 2691 Circle
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41 3629 2700 Circle
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45 3761 2719 Circle
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48 3893 2736 Circle
49 3893 2736 Circle
50 2311 2499 Circle
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52 1131 2759 Circle
53 1.000 UL
54 LT6
55 550 1712 M
56 36 -2 V
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3 36 -1 V
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6 36 -1 V
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31 36 0 V
32 36 0 V
33 36 0 V
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38 35 0 V
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41 36 0 V
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58 36 1 V
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For Peer Review Only

1
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3 36 1 V
4 36 0 V
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12 36 1 V
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24 36 1 V
25 36 1 V
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34 36 1 V
35 36 1 V
36 36 0 V
37 36 1 V
38 36 1 V
39 36 1 V
40 1.000 UL
41 LT7
42 550 1883 M
43 36 -4 V
44 36 -3 V
45 36 -4 V
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47 36 -3 V
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51 36 -5 V
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54 36 -5 V
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57 36 -5 V
58 36 -5 V
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For Peer Review Only

1
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3 36 -4 V
4 36 -6 V
5 36 -5 V
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23 36 -5 V
24 36 -5 V
25 36 -4 V
26 36 -5 V
27 35 -4 V
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29 36 -3 V
30 36 -2 V
31 36 -2 V
32 36 0 V
33 36 0 V
34 36 1 V
35 36 1 V
36 36 2 V
37 36 3 V
38 36 3 V
39 36 4 V
40 36 4 V
41 36 5 V
42 36 5 V
43 36 5 V
44 36 6 V
45 36 6 V
46 36 6 V
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55 36 5 V
56 36 5 V
57 36 5 V
58 36 4 V
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For Peer Review Only

1
2
3 36 5 V
4 36 4 V
5 36 3 V
6 36 4 V
7 36 3 V
8 36 4 V
9 36 3 V
10 36 4 V
11 36 3 V
12 36 4 V
13 36 5 V
14 36 5 V
15 36 6 V
16 36 8 V
17 36 8 V
18 36 10 V
19 36 12 V
20 36 14 V
21 36 15 V
22 36 17 V
23 36 19 V
24 36 20 V
25 36 22 V
26 36 23 V
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29 1.000 UL
30 LT8
31 550 743 M
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For Peer Review Only

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3 36 4 V
4 36 5 V
5 36 4 V
6 36 5 V
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21 36 5 V
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26 36 6 V
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31 36 6 V
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37 36 4 V
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For Peer Review Only

1
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3 36 2 V
4 36 3 V
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7 36 2 V
8 36 3 V
9 36 3 V
10 36 4 V
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13 36 5 V
14 36 6 V
15 36 7 V
16 36 8 V
17 1.000 UL
18 LT0
19 550 471 M
20 36 1 V
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22 36 1 V
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36 36 4 V
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41 36 4 V
42 36 5 V
43 36 5 V
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45 36 5 V
46 36 6 V
47 36 5 V
48 36 6 V
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53 36 6 V
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55 36 7 V
56 36 7 V
57 36 8 V
58 36 7 V
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For Peer Review Only

1
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3 35 7 V
4 36 8 V
5 36 8 V
6 36 7 V
7 36 8 V
8 36 8 V
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11 36 8 V
12 36 8 V
13 36 8 V
14 36 8 V
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16 36 8 V
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19 36 8 V
20 36 7 V
21 36 8 V
22 36 8 V
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24 36 8 V
25 36 8 V
26 36 7 V
27 36 8 V
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31 36 8 V
32 36 9 V
33 36 8 V
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35 36 9 V
36 36 9 V
37 36 9 V
38 36 10 V
39 36 9 V
40 36 10 V
41 36 11 V
42 36 10 V
43 36 11 V
44 36 12 V
45 36 12 V
46 36 12 V
47 36 13 V
48 36 14 V
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53 36 16 V
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56 36 17 V
57 36 17 V
58 36 18 V
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For Peer Review Only

1
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3 36 18 V
4 36 18 V
5 1.000 UL
6 LT1
7 550 2552 M
8 36 10 V
9 36 10 V
10 36 9 V
11 36 8 V
12 36 8 V
13 36 8 V
14 36 7 V
15 36 7 V
16 36 7 V
17 36 6 V
18 36 7 V
19 36 6 V
20 36 5 V
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47 35 4 V
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53 36 3 V
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For Peer Review Only

1
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3 36 4 V
4 36 3 V
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39 36 2 V
40 36 3 V
41 36 2 V
42 36 2 V
43 36 3 V
44 36 2 V
45 36 3 V
46 36 2 V
47 36 3 V
48 36 4 V
49 1.000 UL
50 LT2
51 550 2212 M
52 36 8 V
53 36 7 V
54 36 7 V
55 36 6 V
56 36 5 V
57 36 6 V
58 36 5 V
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For Peer Review Only

1
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3 36 5 V
4 36 4 V
5 36 5 V
6 36 4 V
7 36 4 V
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9 36 4 V
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12 36 5 V
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14 36 5 V
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51 36 6 V
52 36 6 V
53 36 7 V
54 36 6 V
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56 36 6 V
57 36 6 V
58 36 7 V
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For Peer Review Only

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 3 36 5 V
 4 36 6 V
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 15 36 5 V
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 18 36 4 V
 19 36 5 V
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 28 36 3 V
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 30 36 4 V
 31 36 4 V
 32 36 3 V
 33 36 4 V
 34 36 3 V
 35 36 4 V
 36 36 3 V
 37 1.000 UL
 38 LTb
 39 550 300 M
 40 3620 0 V
 41 0 3072 V
 42 -3620 0 V
 43 550 300 L
 44 1.000 UP
 45 stroke
 46 grestore
 47 end
 48 showpage
 49 }}%
 50 \put(950,2759){\rjust{ 12 G}}%
 51 \put(950,2859){\rjust{ 12 S}}%
 52 \put(950,2959){\rjust{ 12 V}}%
 53 \put(950,3059){\rjust{ 3.3 G}}%
 54 \put(950,3159){\rjust{3.3 S}}%
 55 \put(950,3259){\rjust{ 3.3 V}}%
 56 \put(2561,3122){\cjust{\large 3.3 G}}%
 57 \put(2561,2335){\cjust{\large 12 G}}%
 58 \put(1757,1978){\cjust{\large 12 S}}%
 59
 60

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1
2
3 \put(1757,1434){\cjust{\large 3.3 S}}%
4 \put(3366,1264){\cjust{\large 3.3 V}}%
5 \put(3366,765){\cjust{\large 12 V}}%
6 \put(2360,3522){\cjust{ }}%
7 \put(2360,50){\cjust{\large $\zeta/\zeta_{b}$ }}%
8 \put(100,1836){}%
9 \special{ps: gsave currentpoint currentpoint translate
10 270 rotate neg exch neg exch translate}%
11 \cstack{\large $G_{\infty}$, $\tau_{s}$, $\eta_{s}$ }%
12 \special{ps: currentpoint grestore moveto}%
13 }%
14 \put(4170,200){\cjust{\large 1.2}}%
15 \put(3768,200){\cjust{\large 1.1}}%
16 \put(3366,200){\cjust{\large 1}}%
17 \put(2963,200){\cjust{\large 0.9}}%
18 \put(2561,200){\cjust{\large 0.8}}%
19 \put(2159,200){\cjust{\large 0.7}}%
20 \put(1757,200){\cjust{\large 0.6}}%
21 \put(1354,200){\cjust{\large 0.5}}%
22 \put(952,200){\cjust{\large 0.4}}%
23 \put(550,200){\cjust{\large 0.3}}%
24 \put(500,3157){\rjust{\large 1000}}%
25 \put(500,2800){\rjust{\large 100}}%
26 \put(500,2443){\rjust{\large 10}}%
27 \put(500,2086){\rjust{\large 1}}%
28 \put(500,1728){\rjust{\large 0.1}}%
29 \put(500,1371){\rjust{\large 0.01}}%
30 \put(500,1014){\rjust{\large 0.001}}%
31 \put(500,657){\rjust{\large 1e-04}}%
32 \put(500,300){\rjust{\large 1e-05}}%
33 \endGNUPLOTpicture
34 \endgroup
35 \endinput
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