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Analysis of a Multiaxial Test on a C/C Composite by Using Digital Image Correlation and a Damage Model

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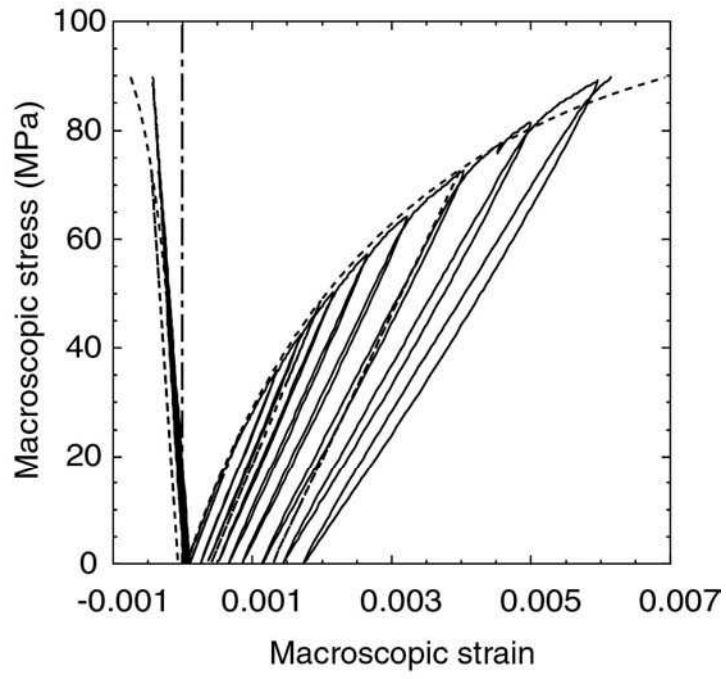
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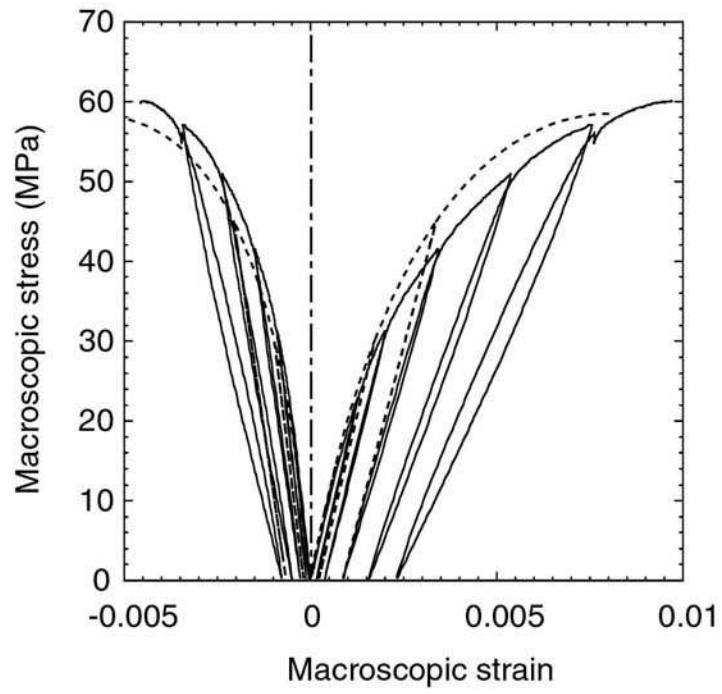
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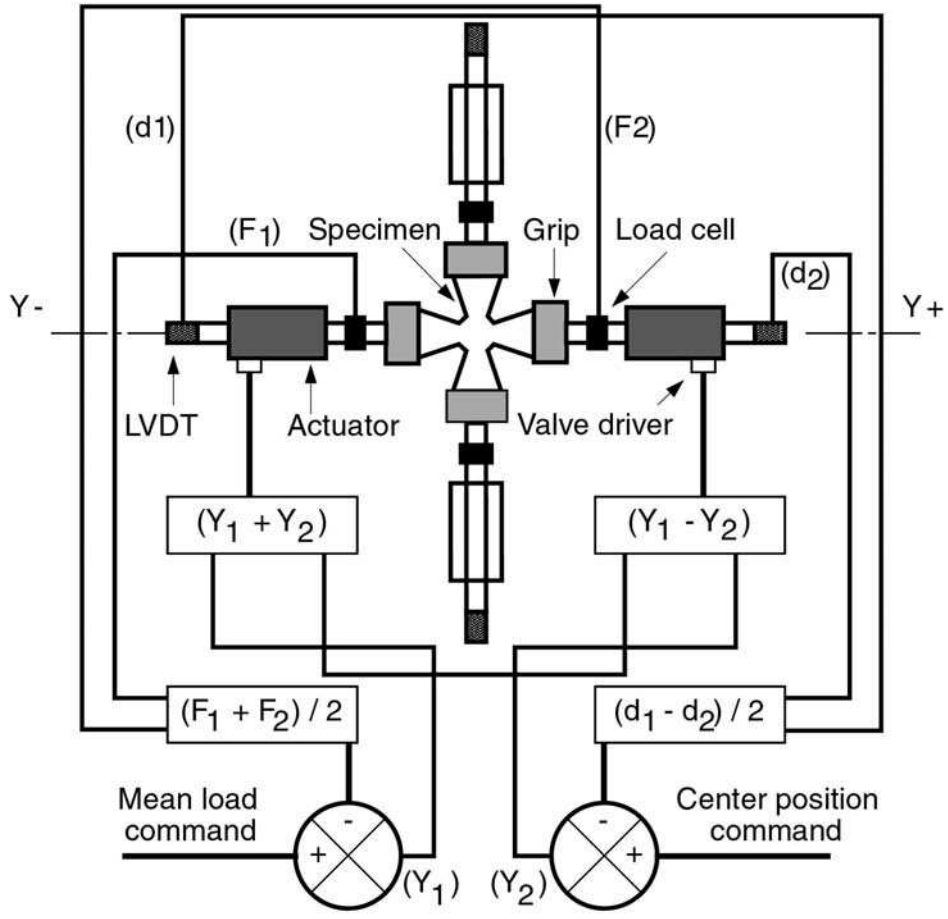


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Figure 7

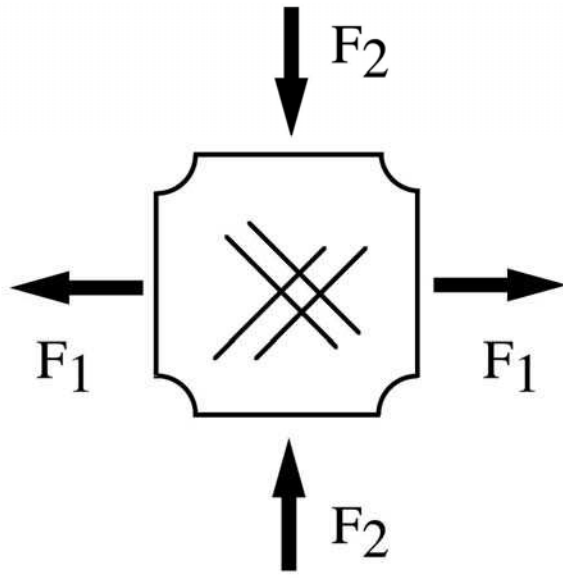


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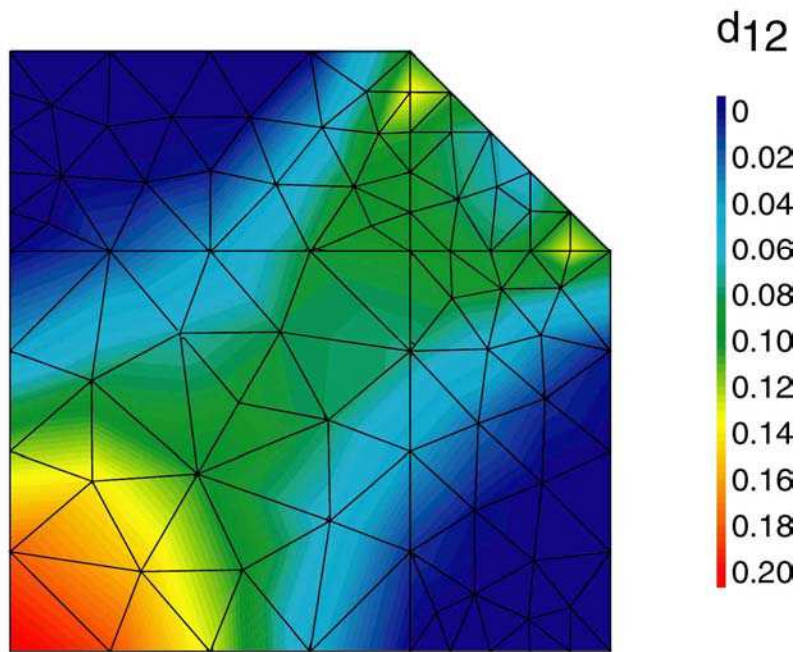


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Figure 8

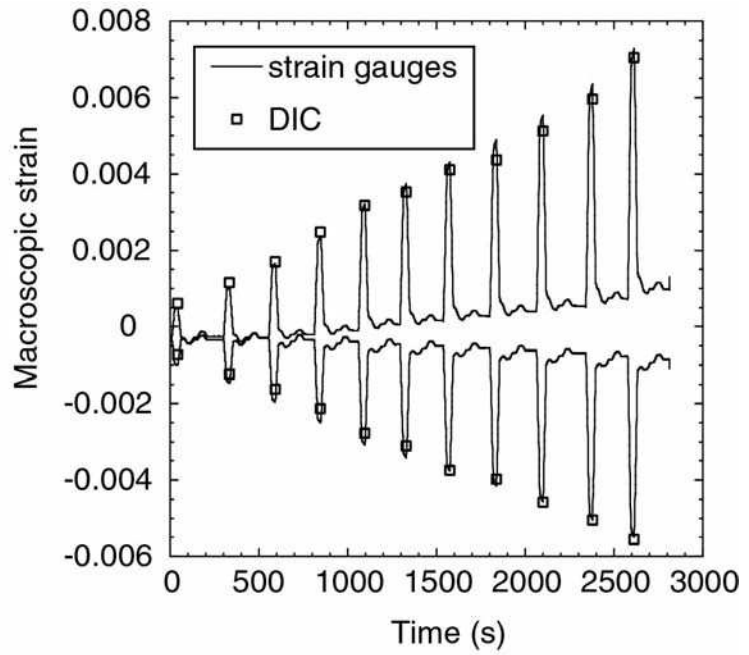
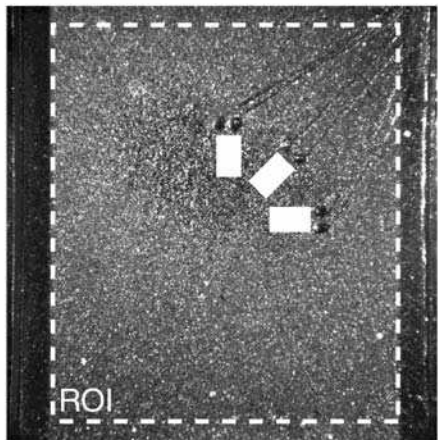


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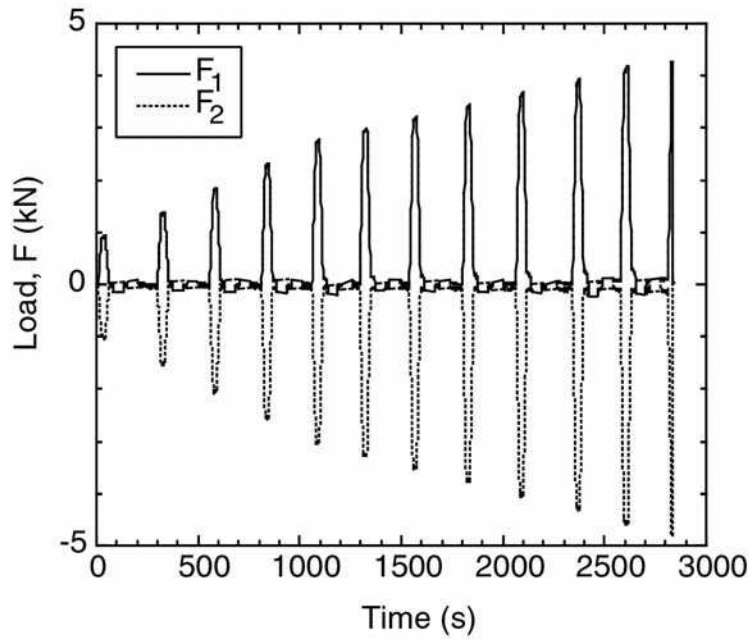
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Figure 9



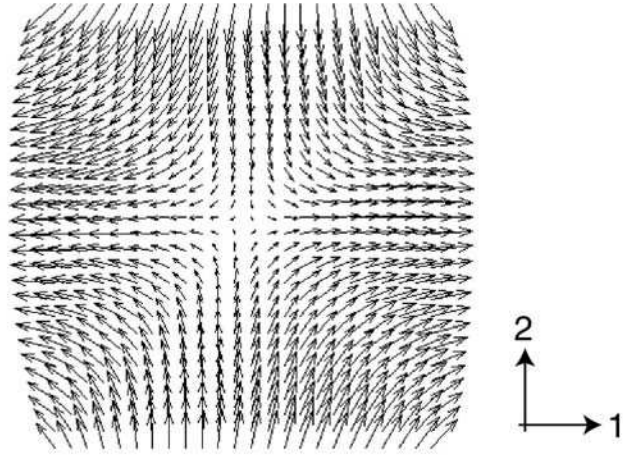
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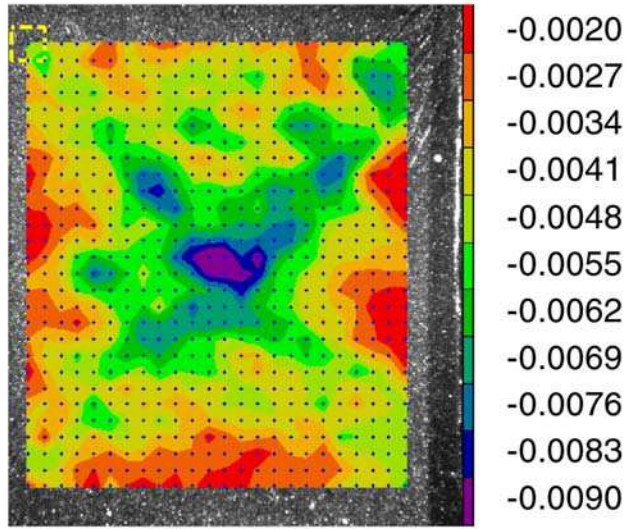


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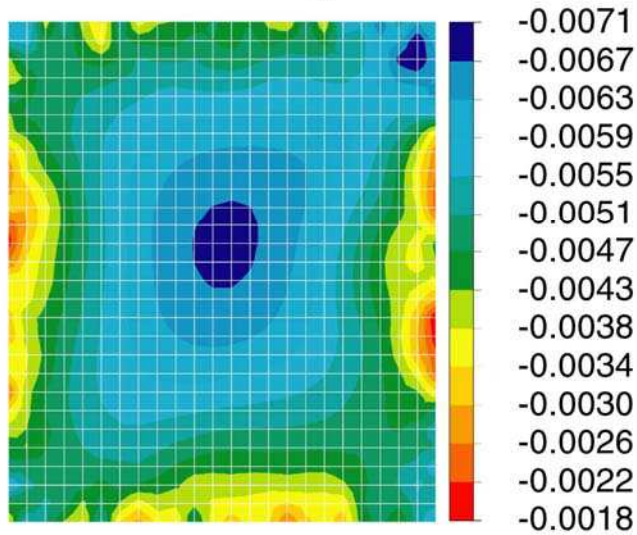
Figure 10



-a-

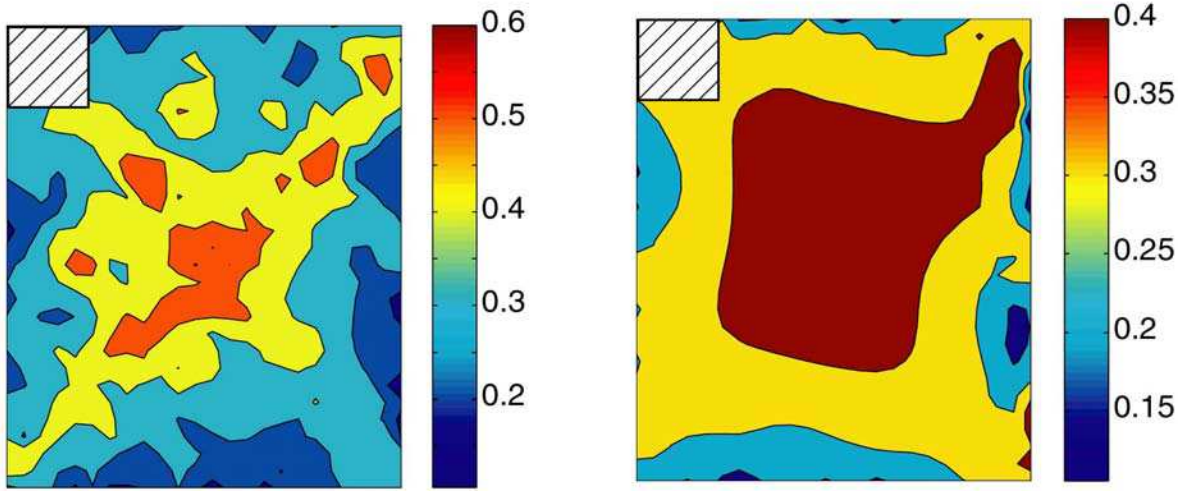
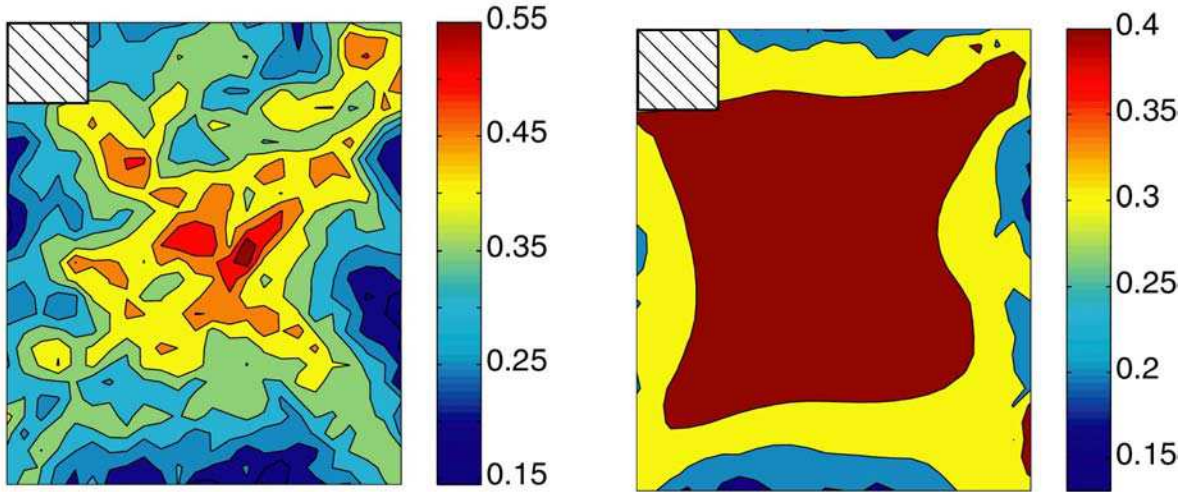


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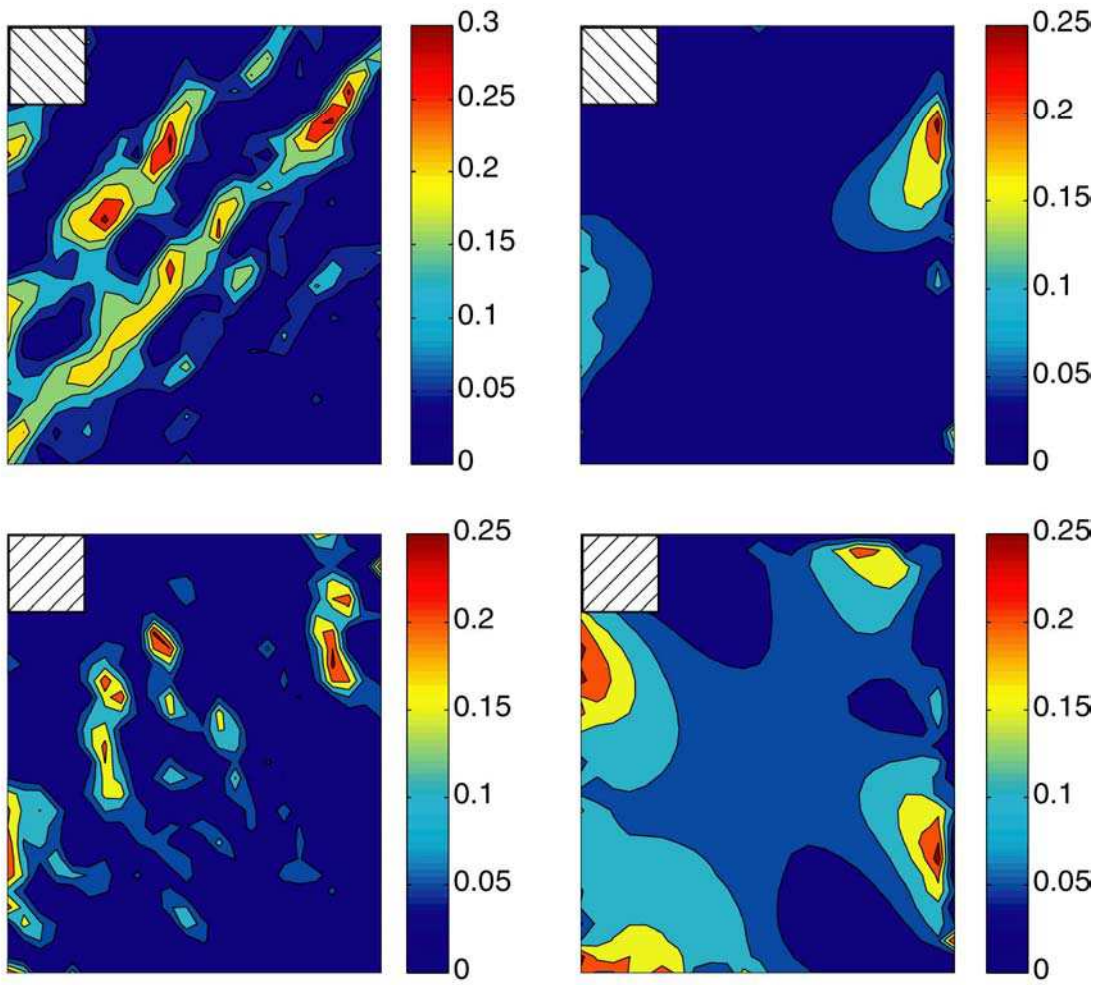
Figure 11



-a-

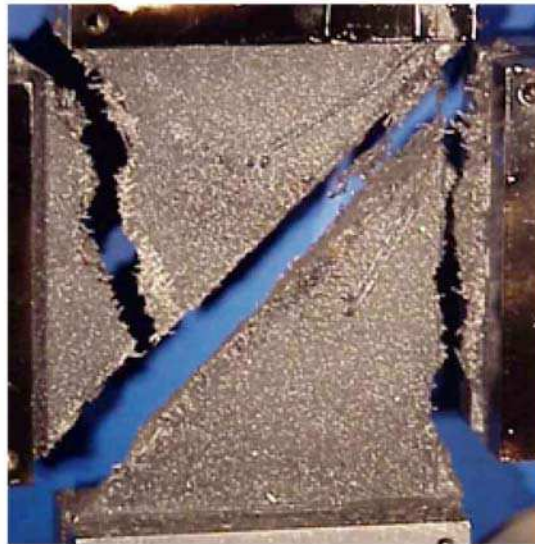
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Figure 12



-a-

-b-



-c-

Figure 13

TABLE CAPTION

Table 1: Material parameters of the damage model at room temperature for a C/C composite.

Table 1

E_1^0	E_2^0	G_{12}^0	ν_{12}^0	b	Y_0	Y_c	Y_{01}	Y_{c1}
52 GPa	16.7 GPa	6.9 GPa	0.35	0.41	6.2 kPa	0.59 MPa	4.1 kPa	1.64 MPa

a_{11}	a_{12}	a_{22}	γ	β	R_0
1	1.5	1	0.52	1480	7 MPa
