



# Estimates of solutions of elliptic equations with a source reaction term involving the product of the function and its gradient

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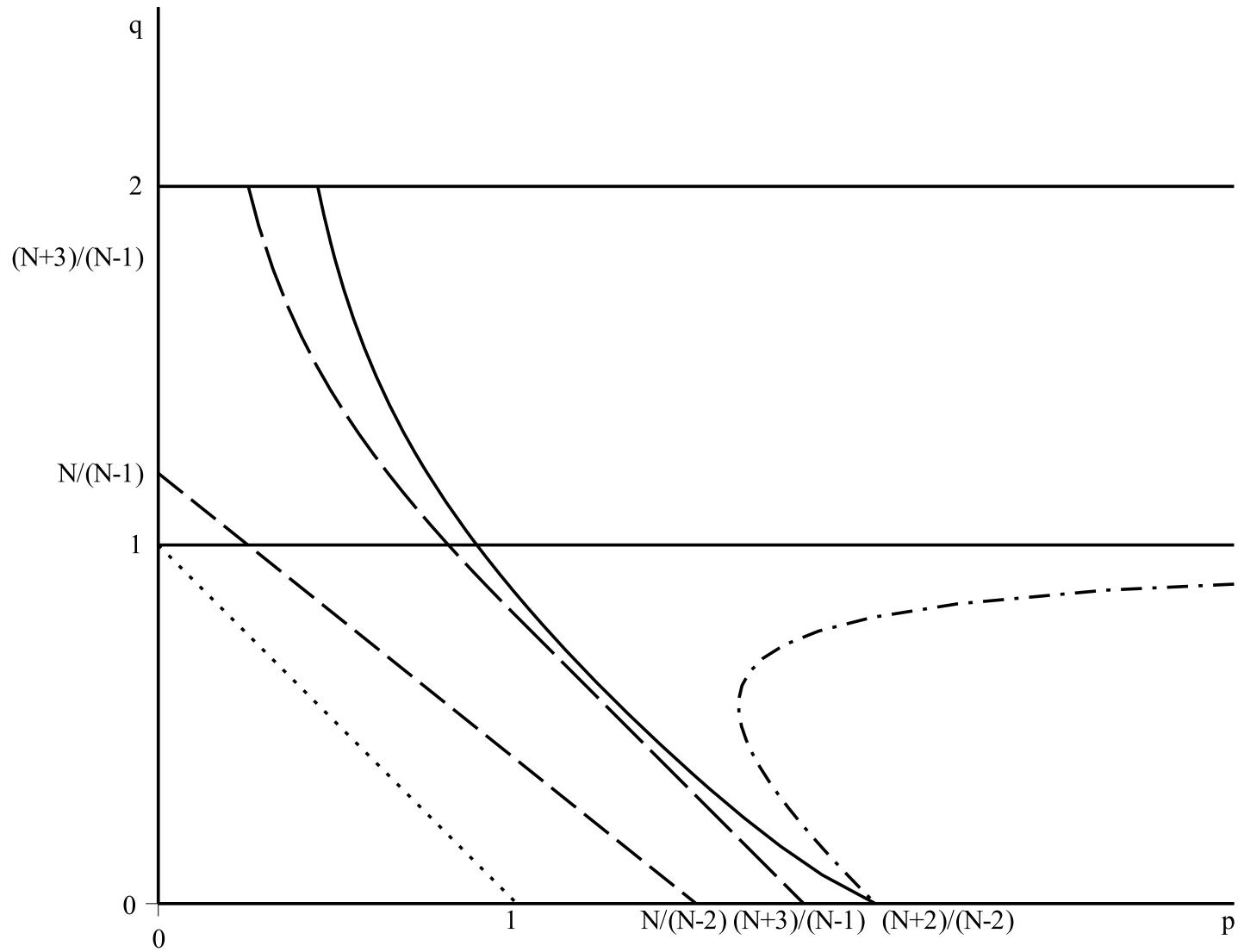
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- — The first critical relation  $(N-2)p+(N-1)q=N$ , see Theorem A
- - - The second critical relation in the radial case :  $p(N-2)+q(N-1)=N+(2-q)/(1-q)$ , see Theorem D
- The curve of homogeneity  $p+q=1$
- - - The separatrix curve for Theorem B:  $(N-1)(p+q-1)=\frac{(p+1)^2}{p}$  and  $(N-1)(p+q-1)=4$
- — The separatrix curve for Theorem C:  $G(p,q)=0$