

**Redheffer, Ray**

**Nonlinear differential inequalities and functions of compact support.** (English) Zbl 0361.35029  
*Trans. Am. Math. Soc.* 220, 133-157 (1976).

For a scan of this review see the [web version](#).

**MSC:**

- 35J60 Nonlinear elliptic equations
- 35J25 Boundary value problems for second-order elliptic equations
- 35B05 Oscillation, zeros of solutions, mean value theorems, etc. in context of PDEs
- 35B40 Asymptotic behavior of solutions to PDEs
- 35B45 A priori estimates in context of PDEs

Cited in 11 Documents

**Full Text:** [DOI](#)

**References:**

- [1] H. Brezis, Solutions of variational inequalities, with compact support, *Uspehi Mat. Nauk* 29 (1974), no. 2 (176), 103 – 108 (Russian). Translated from the English by Ju. A. Dubinskiĭ; Collection of articles dedicated to the memory of Ivan Georgievič Petrovskii (1901 – 1973), I.
- [2] Norman Meyers and James Serrin, The exterior Dirichlet problem for second order elliptic partial differential equations, *J. Math. Mech.* 9 (1960), 513 – 538. · [Zbl 0094.29701](#)
- [3] John Piepenbrink and Ray Redheffer, Nonlinear partial differential inequalities, *Arch. Rational Mech. Anal.* 36 (1970), 89 – 121. · [Zbl 0201.13703](#) · [doi:10.1007/BF00250811](#) · [doi.org](#)
- [4] R. M. Redheffer and E. G. Straus, Degenerate elliptic equations, *Pacific J. Math.* 14 (1964), 265 – 268. · [Zbl 0168.36401](#)
- [5] R. M. Redheffer, Elementary remarks on problems of mixed type, *J. Math. and Phys.* 43 (1964), 1 – 14. · [Zbl 0152.10803](#)

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