

Babich, V. M.

A high-frequency point source of oscillations near a concave mirror. (English) Zbl 0401.35022
J. Sov. Math. 11, 361-371 (1979).

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

MSC:

- 35J05 Laplace operator, Helmholtz equation (reduced wave equation), Poisson equation Cited in 1 Document
- 35B05 Oscillation, zeros of solutions, mean value theorems, etc. in context of PDEs
- 35B40 Asymptotic behavior of solutions to PDEs
- 35P25 Scattering theory for PDEs

Keywords:

[Expansion of a Solution](#); [Helmholtz Equation](#)

Full Text: [DOI](#)

References:

- [1] R. N. Buchal and J. B. Keller, ?Boundary layer problems in diffraction theory,? Commun. Pure Appl. Math.,13, No. 1, 85?114 (1960). · [Zbl 0094.41803](#) · [doi:10.1002/cpa.3160130109](#)
- [2] V. M. Babich and N. Ya. Kirpichnikova, The Boundary Layer Method in Diffraction Problems for Short Waves [in Russian], Leningrad State Univ. (1974).
- [3] V. A. Fock, Electromagnetic Diffraction and Propagation Problems, Pergamon (1965).
- [4] V. M. Babich and V. S. Buldyrev, Asymptotic Methods in Diffraction Problems for Short Waves [in Russian], Moscow (1972). · [Zbl 0255.35002](#)
- [5] V. S. Buslaev, ?Potential theory and geometrical optics,? Zap. Nauchn. Sem. Leningr. Ota. Mat. Inst.,22, 175?180 (1971). · [Zbl 0284.35017](#)
- [6] A. Erdelyi, Asymptotic Expansions, Dover (1961).

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