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Estimate of the residual part in the spectral asymptotic form of pseudodifferential operators of negative order. (Russian) [Zbl 0606.35084](#)

Probl. Mat. Fiz. 11, 31-46 (1986).

Matrix pseudodifferential operators are considered in a bounded Euclidean set. The symbol of the operator is assumed to be a smooth function of the homogeneous matrix-function depending on only the dual argument. No assumptions of ellipticity are made. For these operators an estimate of the residual term of the asymptotic form of positive and negative spectra is obtained.

Reviewer: O.Dumbrajs

MSC:

35S05 Pseudodifferential operators as generalizations of partial differential operators

35P05 General topics in linear spectral theory for PDEs

Keywords:

Matrix pseudodifferential operators; symbol; asymptotic form; positive and negative spectra