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Second-microlocalization and asymptotic expansions. (English) [Zbl 0458.46027](#)

Complex analysis, microlocal calculus and relativistic quantum theory, Proc. Colloq., Les Houches 1979, Lect. Notes Phys. 126, 21-76 (1980).

For the entire collection see [\[Zbl 0428.00029\]](#).

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

MSC:

- 46F99** Distributions, generalized functions, distribution spaces
- 41A60** Asymptotic approximations, asymptotic expansions (steepest descent, etc.)
- 81Q99** General mathematical topics and methods in quantum theory
- 58J99** Partial differential equations on manifolds; differential operators
- 30E15** Asymptotic representations in the complex plane
- 46F15** Hyperfunctions, analytic functionals

Cited in 1 Review Cited in 30 Documents
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Keywords:

second-microlocalization; microlocal calculus; microlocalized space; complex manifold; sheaf of rings of operators; asymptotic expansion of microfunctions; holonomic system of micro-differential equations