

Booss, B.; Bleecker, D. D.

Topology and analysis. The Atiyah-Singer index formula and gauge-theoretic physics.
Transl. from the German by D. D. Bleecker and A. Mader. (English) Zbl 0551.58031
Universitext. New York etc.: Springer-Verlag. XVI, 451 p. DM 118.00 (1985).

See the review of the German original (1977) in [Zbl 0364.58017](#).

MSC:

- [58J20](#) Index theory and related fixed-point theorems on manifolds
- [47A53](#) (Semi-) Fredholm operators; index theories
- [55R25](#) Sphere bundles and vector bundles in algebraic topology
- [58-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to global analysis
- [58-02](#) Research exposition (monographs, survey articles) pertaining to global analysis
- [47B35](#) Toeplitz operators, Hankel operators, Wiener-Hopf operators
- [55R45](#) Homology and homotopy of BO and BU ; Bott periodicity
- [55R50](#) Stable classes of vector space bundles in algebraic topology and relations to K -theory
- [58J40](#) Pseudodifferential and Fourier integral operators on manifolds

Cited in **32** Documents

Keywords:

[Atiyah-Singer index formula](#); [gauge-theoretic physics](#)