

Glimm, James; Jaffe, Arthur

Quantum physics. A functional integral point of view. (English) Zbl 0461.46051
New York - Heidelberg - Berlin: Springer-Verlag. XX, 417 p., 43 ill. \$ 26.40 (1981).

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

MSC:

- 81S40 Path integrals in quantum mechanics
- 81-02 Research exposition (monographs, survey articles) pertaining to quantum theory
- 46-02 Research exposition (monographs, survey articles) pertaining to functional analysis
- 46G12 Measures and integration on abstract linear spaces
- 28A20 Measurable and nonmeasurable functions, sequences of measurable functions, modes of convergence
- 82B10 Quantum equilibrium statistical mechanics (general)
- 81T08 Constructive quantum field theory
- 81U99 Quantum scattering theory
- 46N50 Applications of functional analysis in quantum physics

Cited in **5** Reviews
Cited in **524** Documents

Keywords:

functional integration; statistical physics; Feynman-Kac formula; correlation inequalities; Lee-Yang theorem; phase transitions; critical points; function space integrals; covariance operator; Green's function; resolvent kernel; Euclidean propagator; fundamental solution; quantization; integration over function space; renormalization; scattering theory