Book Reviews


P. B. GILKEY, *The Index Theorem and the Heat Equation*, Publish or Perish, 125 pp. Self-contained exposition, including a brief but clear exposition of the calculus of pseudo-differential operators. Includes several very recent results.


S. I. RUBINOW, *Mathematical Problems in the Biological Sciences*, SIAM, 1973, 90 pp. This report of a regional NSF Conference serves only to underscore how far removed mathematics still is from where the action is in the life sciences.


S. FLEGGE, *Practical Quantum Mechanics*, Springer, 1974, 287 pp. Quantum mechanics without tears, and best of all, without irrelevancies. Some mathematicians may wonder why physicists are to a man so notationally conservative as to cling to redundant and grotesque symbolism after 70 years of functional analysis.

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