



Heat Kernels for Elliptic and Sub-elliptic Operators: Methods and Techniques (Applied and Numerical Harmonic Analysis)

Ovidiu Calin, Der-Chen Chang, Kenro Furutani, Chisato Iwasaki

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This monograph is a unified presentation of several theories of finding explicit formulas for heat kernels for both elliptic and sub-elliptic operators. These kernels are important in the theory of parabolic operators because they describe the distribution of heat on a given manifold as well as evolution phenomena and diffusion processes.

Heat Kernels for Elliptic and Sub-elliptic Operators is an ideal reference for graduate students, researchers in pure and applied mathematics, and theoretical physicists interested in understanding different ways of approaching evolution operators.

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