

Raoul Bott: Collected Papers

Volume 2: Differential Operators

The Collected Papers of Raoul Bott are contained in five volumes, with each volume covering a different subject and each representing approximately a decade of Bott's work. The volumes are:

Volume 1: Topology and Lie Groups (1950's)

Volume 2: Differential Operators (1960's)

Volume 3: Foliations (1970's)

Volume 4: Mathematics Related to Physics (1980's)

Volume 5: Compleitive Articles and Additional Biographic Material (1990's)

This volume contains most of Raoul Bott's papers on the relations between topology and analysis. In the early 1960's, Bott, along with Atiyah, Hirzebruch, and Singer, brought about a revolution in this subject. It was an important development for twentieth century mathematics relying extensively on K-theory, as developed by Atiyah and Hirzebruch following the lead of Grothendieck in algebraic geometry, which in turn, depended on Bott's Periodicity Theorem (originally proved in Volume 1, and reproved in papers [33] and [35] of this volume).

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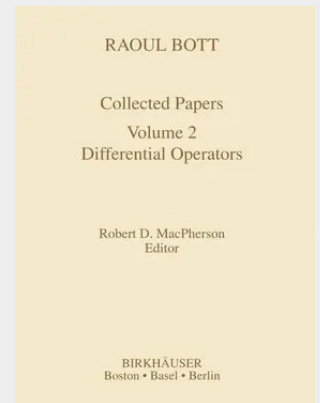
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