

1. Record Nr.	UNISALENTO991000025339707536
Autore	Berti, Enrico
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Lingua di pubblicazione	Italiano
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2. Record Nr.	UNINA9910257424103321
Autore	Avramidi Ivan G
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Nota di bibliografia

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Nota di contenuto

Background Field Method in Quantum Field Theory -- Technique for Calculation of De Witt Coefficients -- Partial Summation of Schwinger-De Witt Expansion -- Higher-Derivative Quantum Gravity -- Conclusion.

Sommario/riassunto

This book tackles quantum gravity via the so-called background field method and its effective action functional. The author presents an explicitly covariant and effective technique to calculate the de Witt coefficients and to analyze the Schwinger-de Wit asymptotic expansion of the effective action. He also investigates the ultraviolet behaviour of higher-derivative quantum gravity. The book addresses theoretical physicists, graduate students as well as researchers, but should also be of interest to physicists working in mathematical or elementary particle physics.