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| Descrizione fisica      | 1 online resource (233 pages)   |
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| Livello bibliografico   | Monografia  |
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| Nota di contenuto       | Frontmatter -- Acknowledgements -- Abstract -- tables of contents -- Introductions -- CHAPTER I. Renormalization in Lagrangian Field Theory -- CHAPTER II. Definition of Generalized Amplitudes -- CHAPTER III. Analytic Renormalization -- CHAPTER IV. Summation of Feynman Amplitudes -- CONCLUSION -- APPENDIX A. Graphs -- APPENDIX B. Distributions -- APPENDIX C. The Free Field -- BIBLIOGRAPHY  |
| Sommario/riassunto      | This book contains a valuable discussion of renormalization through the addition of counterterms to the Lagrangian, giving the first complete proof of the cancellation of all divergences in an arbitrary interaction. The author also introduces a new method of renormalizing an arbitrary Feynman amplitude, a method that is simpler than previous approaches and can be used to study the renormalized perturbation series in quantum field theory. |