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Dimensional Gravity; References for Chapter I; II THE ASYMPTOTIC STRUCTURE OF THREE DIMENSIONAL GRAVITY; II.1 Introduction; II.2 Solutions To Three Dimensional Gravity With < 0; II.3 Global Charges and the RxSO(2) Asymptotic Symmetries; II.4 The Conformal Group Of Asymptotic Symmetries; IV.5 The Canonical Realization Of Asymptotic Symmetries; II. Appendix 1: The Initial Value Problem; II. Appendix 2: The Lie and Surface Deformation Algebras; References for Chapter II; III

BL.ACK HOLES IN TWO SPACETIME DIMENSIONS

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Sommario/riassunto

This book addresses the subject of gravity theories in two and three spacetime dimensions. The prevailing philosophy is that lower dimensional models of gravity provide a useful arena for developing new ideas and insights, which are applicable to four dimensional gravity. The first chapter consists of a comprehensive introduction to both two and three dimensional gravity, including a discussion of their basic structures. In the second chapter, the asymptotic structure of three dimensional Einstein gravity with a negative cosmological constant is analyzed. The third chapter contains a treatment