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A Gauge Invariance of the Fluctuation Equation; Appendix B Perturbative Weyl Tensor; Appendix C Transverse and Transverse-Traceless Projection; Appendix D Fluctuation Energy-Momentum Tensor; Appendix E Retarded Propagators for Pure AdS and Pure dS Spacetimes; Appendix F Embedding  $M(2, 1)$  Branes in  $AdS_4$ ; Bibliography; Author Index; Subject Index

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Sommario/riassunto

This timely and valuable book provides a detailed pedagogical introduction and treatment of the brane-localized gravity program of Randall and Sundrum, in which gravitational signals are able to localize around our four-dimensional world in the event that it is a brane embedded in an infinitely-sized, higher dimensional anti-de Sitter bulk space. A completely self-contained development of the material needed for brane-world studies is provided for both students and workers in the field, with a significant amount of the material being previously unpublished. Particular attention is given to iss

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