

Preface

Professor T. Padmanabhan (aka Paddy) from the Inter-University Centre for Astronomy and Astrophysics in Pune, India, is well known as an astronomer and cosmologist. He has contributed immensely to many areas though the core theme has been different aspects of gravitation. He has written a number of books on physics, gravitational theories, and cosmology. He has taught and mentored a large number of students. In developing the many themes that constitute the body of his research, he has collaborated with numerous scientists across the planet.

This volume of collected papers from various collaborators, colleagues, and students across the ages has been compiled to commemorate his contributions to physics on the day of his sixtieth birthday, March 10, 2017. In many ways, it is an expression of appreciation of Paddy as a scientist, expositor, teacher, and mentor. The spectrum of topics that these papers touch upon is quite variegated though connected via a gravitational core as the title indicates. We are confident that you will enjoy them.

We thank all the contributors for putting in effort to prepare articles that take a critical look at fundamental issues. We are greatly appreciative of their contributions that have made this volume a reality. We also thank our patient editor at Springer Ms. Angela Lahee, who has borne our delays with fortitude.

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Jasjeet Singh Bagla
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