

String Theory And M-theory

[DOWNLOAD HERE](#)

Graduate textbook for courses in string theory. String theory is one of the most exciting and challenging areas of modern theoretical physics. This book guides the reader from the basics of string theory to recent developments. It introduces the basics of perturbative string theory, world-sheet supersymmetry, space-time supersymmetry, conformal field theory and the heterotic string, before describing modern developments, including D-branes, string dualities and M-theory. It then covers string geometry and flux compactifications, applications to cosmology and particle physics, black holes in string theory and M-theory, and the microscopic origin of black-hole entropy. It concludes with Matrix theory, the AdS/CFT duality and its generalizations. This book is ideal for graduate students and researchers in modern string theory, and will make an excellent textbook for a one-year course on string theory. It contains over 120 exercises with solutions, and over 200 homework problems with solutions available on a password protected website for lecturers at cambridge.org/9780521860697. EAN/ISBN : 9780511254864

Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Becker, Katrin - Becker, Melanie - Schwarz, John H.

[DOWNLOAD HERE](#)

Similar manuals: