



## A Student s Manual for a First Course in General Relativity (Paperback)

By Sir Robert Bodley Scott

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2016.

Paperback. Book Condition: New. Student. 246 x 189 mm.

Language: English . Brand New Book. This comprehensive

student manual has been designed to accompany the leading textbook by Bernard Schutz, A First Course in General Relativity,

and uses detailed solutions, cross-referenced to several

introductory and more advanced textbooks, to enable self-

learners, undergraduates and postgraduates to master general

relativity through problem solving. The perfect accompaniment

to Schutz s textbook, this manual guides the reader step-by-step

through over 200 exercises, with clear easy-to-follow derivations.

It provides detailed solutions to almost half of Schutz s exercises,

and includes 125 brand new supplementary problems that

address the subtle points of each chapter. It includes a

comprehensive index and collects useful mathematical results,

such as transformation matrices and Christoffel symbols for

commonly studied spacetimes, in an appendix. Supported by an

online table categorising exercises, a Maple worksheet and an

instructors manual, this text provides an invaluable resource for

all students and instructors using Schutz s textbook.



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