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Notes on "General Relativity" (Wald, 1984) Robert B. Scott,<sup>1;2</sup> <sup>1</sup>Institute for Geophysics, Jackson School of Geosciences, The University of Texas at Austin, Austin, Texas, USA <sup>2</sup>Department of Physics, University of Brest, Brest, France To whom correspondence should be addressed; E-mail: rscott@ig.utexas.edu.

### **General Relativity (Wald, 1984) - univ-brest.fr**

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This is known as the Rindler metric. As the problem illustrates, it is just the at spacetime of special relativity; but, expressed in coordinates that introduce some features that will be very important in general relativity. EP #12 - Jumping Seagull A Newton-Galilean Problem - A seagull sits on the ground. The wind velocity is  $\sim v$ .

### **General Relativity Extra Problems and Solutions**

A sizeable collection of problems in all areas of GR, with fully worked solutions, making it all the more difficult for instructors to invent problems the students can't easily find the answers to. N. Straumann, General Relativity and Relativistic Astrophysics (Springer-Verlag, 1984) [\*\*\*]. A fairly high-level book, which starts out with a good ...

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### **Some Exact Solutions in General Relativity - arXiv**

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### **General relativity - Wikipedia**

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### **General Relativity, Wald - press.uchicago.edu**

[Added 23.01.2014] There are, of course, many, many interesting problems concerning the initial data for Einstein's equations. Just a quick review: the strong ties to geometry of Einstein's equation in general relativity means that the system of equations is somehow simultaneously over- and underdetermined.

### **mathematical physics - Open problems in General Relativity ...**

A First Course in General Relativity Bernard F Schutz (2nd Edition, Cambridge University Press, 2009) Solutions to Selected Exercises (Version 1.0, November 2009) To the user of these solutions: This document contains solutions to many of the Exercises in the second edition of A First Course in General Relativity. The textbook offers an ex-

### **A First Course in General Relativity - aei.mpg.de**

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-

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The two-body problem in general relativity is the determination of the motion and gravitational field of two bodies as described by the field equations of general relativity. Solving the Kepler problem is essential to calculate the bending of light by gravity and the motion of a planet orbiting its sun.

### **Two-body problem in general relativity - Wikipedia**

On Problems and Solutions of General Relativity Hyoyoung Choi y y Antigravity chicken house, Department of Physics, Seoul, Korea. [7icarus7@gmail.com] In commemoration of the 100th anniversary of general relativity, many others would look back on its history and achievements, so I

will write mine focusing on the problems of general

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