

REVIEWING DRAFT SECTIONS OF THE SECOND EDITION, *EXPLORING BLACK HOLES*

We need all the help we can get from both experts and lay people on the second edition of *Exploring Black Holes*. The first edition had many class trials of sequential drafts, with enforced feedback from students. Because of time constraints, draft materials for the second edition were used in only a single class at MIT. Your suggestions will be important for the clarity and correctness of the new edition.

Below is the new Table of Contents. Items that carry an asterisk (*); are new or radically revised from the first edition. We are currently writing these, and they will appear one by one on the dropsite for your review.

"<http://www.eftaylor.com/pladropsite/>"

Look for improved sequential drafts of items with asterisks. Items without asterisks in the Table of Contents will undergo minor revisions and will not be posted; nevertheless we also welcome your comments and suggestions on these unposted items from the first edition.

When you send your comments to us, it will be helpful if you would please observe the following rules:

1. Send comments to eftaylor@mit.edu
2. Include the exact file name. A typical file name has the form GPS070625v3. This is the Global Positioning System (GPS) Project, created on the date June 25, 2007, the third version on that date.
3. Every draft has line numbers. Please index your comments by line number.

SCHEDULE: Ed Bertschinger leaves MIT for a sabbatical at the end of October 2007. We expect to have the fundamentals correct before he leaves.

MANY thanks for your help. Readers of the Second Edition will be greatly in your debt.

Edmund Bertschinger & Edwin F. Taylor, August 9, 2007

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(Items with asterisk will be new or radically revised)

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*TUTORIALS A thru G with self-tests and solutions: Metrics, Rain Coordinates, Energy & Angular Momentum, Plotting the Orbit, Spinning Inertial Frames, Weak Field, Precession Details