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vector calculus in an intertwined fashion. If you need some help with vector calculus basics, this would be a good place to turn.

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exercises, this textbook is ideal for electricity and magnetism courses. Solutions to the exercises are available for instructors at [www.cambridge.org/Purcell-Morin](http://www.cambridge.org/Purcell-Morin).

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## **Electricity and magnetism 3rd edition | General and ...**

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magnetic field is created by an electric current. Second, a voltage is produced when a magnetic field changes.

New edition of a classic textbook,

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[mbridge.org/9780521876223](https://www.mheducation.com/highered/product/morin-electricity-magnetism-9780521876223).

The vast number of problems alone makes it an ideal supplementary text for all levels of undergraduate physics courses in classical mechanics. Remarks are scattered throughout the text, discussing issues that are often

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textbook in any introductory  
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This book is written for high  
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probability, Bayes' theorem, expectation value, variance, probability density, common distributions, the law of large numbers, the central limit theorem, correlation, and regression. Calculus is not a prerequisite, although a few of

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the problems do involve calculus. These are marked clearly. The book features 150 worked-out problems in the form of examples in the text and solved problems at the end of each chapter. These problems, along with the discussions in the text, will be a

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valuable resource in any introductory probability course, either as the main text or as a helpful supplement.

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chapter provides a brief introduction to the basic ideas of general relativity, including the equivalence principle, gravitational time dilation, and accelerating reference frames. The book features more than 100 worked-out problems in the form

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of examples in the text and solved problems at the end of each chapter. These problems, along with the discussions in the text, will be a valuable resource in any course on special relativity. The numerous examples also make this book ideal for self-

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study. Very little physics background is assumed (essentially none in the first half of the book). An intriguing aspect of special relativity is that it is challenging due to its inherent strangeness, as opposed to a heavy set of physics



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prerequisites. Likewise for the math prerequisite: calculus is used on a few occasions, but it is not essential to the overall flow of the book.

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