



# Electromagnetism for Engineers: An Introductory Course

By *P. Hammond*

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## Electromagnetism for Engineers: An Introductory Course By P. Hammond

This is a fully revised and updated edition of a widely used introductory textbook on electromagnetism. It covers all the fundamental aspects of this important topic in electrical engineering. The approach is eminently practical and requires little mathematics other than elementary differentiation, integration, and trigonometry. It will continue to appeal to students studying this conceptually challenging but fundamental subject. New sections on electromechanics (conversion of electric and magnetic energy in mechanical energy and vice versa) and high-frequency phenomena (transmission lines, waveguides, optical fibres, and radio propagation) enhance the usefulness of the book.

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### **Editorial Review**

#### Review

I can recommend this book with genuine enthusiasm.

International Journal of Electrical Engineering Education, Volume 24, Number 2

I find this textbook excellent for the...B Eng Course we give on Electrotechnology. Further, I am going to try it with HND/BTec Classes in the coming year since it is suitable for this also.

Dr J E L Hollis, Portsmouth Polytechnic

#### About the Author

Percy Hammond is a very distinguished figure in the circles of electromagnetic scholarship. This book is very well known and loved in its first three editions. He is also a serious contributor to computational methods with the "Tubes and Slices" method given prominence in Engineering Electromagnetism (with Sykulski) and to fundamental thinking about the geometry of fields in The Geometry of Electromagnetic Fields (with Baldomir). Hammond is a series editor for Monographs in Electrical and Electronic Engineering.

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