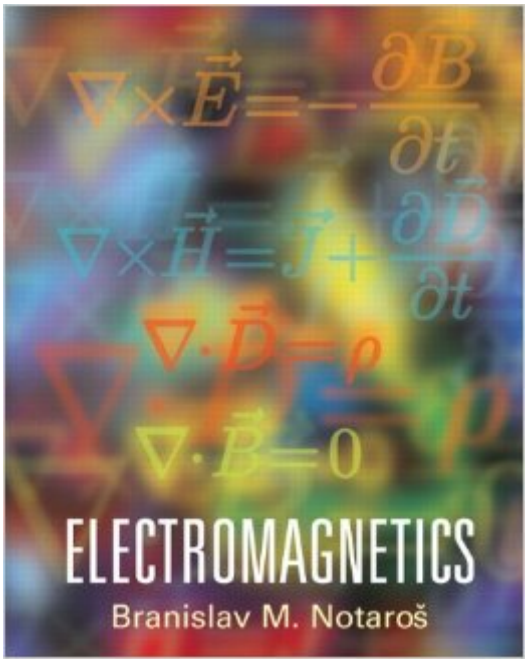
Electromagnetics



Synopsis

Electromagnetics is a thorough text that enables readers to readily grasp EM fundamentals, develop true problem-solving skills, and really understand and like the material. It is meant as an "ultimate resource" for undergraduate electromagnetics.

Book Information

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Customer Reviews

I am writing a book review for the first time in my life, and the reason I am doing this is not that the author was my former advisor but rather because this is a really great textbook and I believe more instructors/students should use it.Let me briefly mention my experience with EM books. When I was an undergraduate student at Bilkent, we used D. K. Cheng’s book. It was a great book for sure, everything was well explained, there were so many examples but, frankly, with all the proof and derivation requiring problems, it was a difficult book for a junior student. After studying other great EM books written by Balanis and Pozar, I had the unique chance to work with Prof. Notaros during my graduate study. In the following years, first as a PhD student, then as a post doc, and finally as a professor of electrical engineering, I had a chance to examine almost all the EM textbooks (Hayt & Buck, Stratton, Inan & Inan, Jackson, Griffiths, Sadiku, Kraus, etc.) and I can safely say that Notaros’ book is one of the best EM textbooks ever written for a complete and in depth EM education.To me, here are the pros and cons.pros: - in depth analysis - detailed explanations - step by step derivations - problems requiring creativity and thinking - lots of examples - visualization improvement via Matlab exercises - biographies of scientists and engineers, who shaped

electromagnetics, stimulate intellectual curiosity(Last three items are main differences between Notaros and Cheng's books)cons: - some examples are difficult for an undergraduate student - there are so many referrals which make it difficult to follow sometimes (e.g.

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