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Electric Fields Electromagnetic Theory And Computation A

Synopsis. Although topology was recognized by Gauss and Maxwell to play a pivotal role in the formulation of electromagnetic boundary value problems, it is a largely unexploited tool for field computation. The development of algebraic topology since Maxwell provides a framework for linking data structures, algorithms, and computation to topological aspects of three-dimensional electromagnetic boundary value problems.

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Electromagnetic Theory and Computation by Paul W. Gross

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He authored The Finite Element Method in Electromagnetics (Wiley) and Electromagnetic Analysis and Design in Magnetic Resonance Imaging; coauthored Computation of Special Functions (Wiley) and

Finite Element Analysis of Antennas and Arrays (Wiley); and coedited Fast and Efficient Algorithms in Computational Electromagnetics. A Fellow of IEEE, he is listed by ISI as among the world's most cited authors.

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