



# Electromagnetics through the Finite Element Method: A Simplified Approach using Maxwell's Equations

*Jose Roberto Cardoso*

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This book will be the first to introduce the Finite Element Method for modelling the electromagnetic phenomena with methodologies using only Maxwell Equations. Avoiding all complex mathematics, this simplified approach will not only benefit undergraduate students, but also engineers and researchers who are introducing themselves to these numerical methods. Starting with the fundamentals, this book will provide an overview of the Finite Element Methods and will include a physical analysis in all steps of the methodology presented.

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