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### **Numerical Technique - an overview | ScienceDirect Topics**

Numerical Techniques in Electromagnetics with Matlab – 2nd and 3rd Edition (ن آگ) : Matthew N.O. Sadiku. ه ب موس ش یاری و بات ک دش اب یم ی سرد بات ک دش اب یم ه دش نک سا ت روص م وس ش یاری و بات ک ت اصخ ش م دش اب یم ه دش نک سا ت روص

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Computational electromagnetics, computational electrodynamics or electromagnetic modeling is the process of modeling the interaction of electromagnetic fields with physical objects and the environment. It typically involves using computer programs to compute approximate solutions to Maxwell's equations to calculate antenna performance, electromagnetic compatibility, radar cross section and electromagnetic wave propagation when not in free space. A large subfield is antenna modeling computer prog

### **Computational electromagnetics - Wikipedia**

Numerical Techniques in Electromagnetics. Matthew N.O. Sadiku. As the availability of powerful computer resources has grown over the last three decades, the art of computation of electromagnetic (EM) problems has also grown - exponentially. Despite this dramatic growth, however, the EM community lacked a comprehensive text on the computational techniques used to solve EM problems.

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### **Numerical Techniques in Electromagnetics with MATLAB by ...**

This book is a decent overview of numerical techniques in electromagnetics (and in general). I have mixed feelings about it, however. I think the math coverage is OK, although it is somewhat abstract. E.g., MoM and FEM are introduced through variational methods, which is probably an elegant yet unintuitive way to understand them.

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