

## **Bio Electromagnetic Modeling & Simulation via FDTD**

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### **Abstract**

**In this paper numerical methods have been concerned especially FDTD.**

**It has important advantages in electromagnetic simulation and animation.**

**In addition to that, it is characterized by high accuracy and resolution in the order of biocell size.**

**Electromagnetic SAR of organism has been computed in mathematical model using CST Computer Software, which also gives the electrical and magnetic fields strength distribution.**

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For the abstract in Arabic see pages (123-136).

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