

Abstracts

Cell Membrane Nonlinear Response to an Applied Electromagnetic Field

G. Franceschetti and I. Pinto. "Cell Membrane Nonlinear Response to an Applied Electromagnetic Field." 1984 Transactions on Microwave Theory and Techniques 32.7 (Jul. 1984 [T-MTT]): 653-658.

The transmembrane potential difference induced by an impressed electromagnetic field in a spherical homogeneous cell with nonlinear membrane is obtained by using the Volterra-series formalism. Some possible generalizations are suggested, and computed results are discussed.

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