## Calculation of High-Resolution SAR Distributions in Biological Bodies Using the FFT Algorithm and Conjugate Gradient Method (Short Papers)

A new method for the calculation of absorption in inhomogeneous, lossy dielectrics is presented. In this method, the convolutional nature of the electric-field integral equation is exploited by use of the FFT algorithms and the conjugate gradient method (CGM). The method is illustrated by solving for the SAR distribution for an anatomical cross transsection through the human eyes at 1 GHz.

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