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Nota di contenuto	Multi-Frequency Electrical Impedance Tomography and Magnetic Resonance Electrical Impedance Tomography -- Time Reversing Waves For Biomedical Applications -- The Method of Small-Volume Expansions for Medical Imaging -- Electric and Magnetic Activity of the Brain in Spherical and Ellipsoidal Geometry -- Estimation of Velocity Fields and Propagation on Non-Euclidian Domains: Application to the Exploration of Cortical Spatiotemporal Dynamics.
Sommario/riassunto	This volume gives an introduction to a fascinating research area to applied mathematicians. It is devoted to providing the exposition of promising analytical and numerical techniques for solving challenging biomedical imaging problems, which trigger the investigation of interesting issues in various branches of mathematics.