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The book Fundamentals of Spherical Array Processing provides fundamental theory and methods for processing of signals from spherical microphone arrays, and for processing in the spherical harmonics domain. This manual aims to provide a MATLAB support to the theory and methods presented in the book. Like the book, the nature of the manual is tutorial, with the MATLAB code and embedded descriptions aiming to provide the reader with the understanding of how the methods may be coded into MATLAB. ...

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Fundamentals of Spherical Array Processing provides a comprehensive introduction to the theory and practice of spherical microphone arrays, and was written for graduate students, researchers, and engineers who work with spherical microphone arrays in a wide range of applications.

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4 FUNDAMENTALS OF ARRAY SIGNAL PROCESSING of explanation, the last two of Maxwell equations are rewritten as $\text{curl}E(r,t)=-\mu_0\dot{J}(r,t)$ at (1.7) $\text{curl}H(r,t)=0$ at (1.8) Let us assume first that there is a static current density $J(r)$ available which, according to (1.8), causes a spatially curling magnetic field $H(r)$; however, it fails

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