Record Nr. UNINA9910807997103321 Autore Tou Stephen Titolo Visualization of Fields and Applications in Engineering [[electronic resource]] Chicester, : Wiley, 2011 Pubbl/distr/stampa 1-283-23957-4 **ISBN** 9786613239570 0-470-97826-0 0-470-97825-2 Descrizione fisica 1 online resource (384 p.) Classificazione TEC015000 Disciplina 620.001/51 620.00151 Electromagnetic fields - Mathematical models Soggetti Electromagnetic fields -- Mathematical models **Engineering mathematics** Fluid dynamics - Mathematics Fluid dynamics -- Mathematics Gravitational waves - Mathematical models Gravitational waves -- Mathematical models. Information visualization Information visualization TECHNOLOGY & ENGINEERING / Imaging Systems Engineering mathematics - Mathematics Fluid dynamics - Mathematical models Gravitational waves Engineering & Applied Sciences **Applied Mathematics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto Visualization of Fields and Applications in Engineering; Contents; Preface; 1 Introduction; 1.1 A General View; 1.2 Historical Development

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Sommario/riassunto

Driven by advances in computer technology, engineering analysis has developed rapidly and extensively in recent times; Visualization of Fields and Applications in Engineering presents the basic techniques for tensor field visualization and mapping of engineering data. Focusing on the fundamental aspects of post processing databases and applications outputs, the author explores existing theories and their integration in tensor field visualization and analysis. The subject covers fundamental theories through to integrated, multi-disciplinary technologies with practical applications in eng