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5. Conclusions; Appendix A. The Lanczos Algorithm for Skew Symmetric Matrices; References; Part II: 3-D EM Inversion; CHAPTER 8. THREE-DIMENSIONAL MAGNETOTELLURIC MODELING AND INVERSION: APPLICATION TO SUB-SALT IMAGING; 1. Introduction; 2. The 3D MT Forward Problem; 3. The 3D MT Inverse Problem; 4. Marine MT Resolution Study; 5. Conclusions; Appendix A; References; CHAPTER 9. 2-D INVERSION OF FREQUENCY-DOMAIN EM DATA CAUSED BY A 3-D SOURCE; 1. Introduction; 2. Inversion Theory; 3. Synthetic Data Example; 4. Conclusions  
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## Sommario/riassunto

""3-D modeling and inversion is a reality, and not an illusion."" This is the clear conclusion of the Second International Symposium on Three-Dimensional Electromagnetics held at the University of Utah in 1999. Containing papers submitted by 36 authors, this volume, by the sheer number of works, their diversity, and the truly international character of the efforts attests to the vigor with which the problems of the field are pursued today. The papers in this book are grouped in three parts: 3-D EM modeling; 3-D EM inversion; and 3-D EM in practice. They cover a wide range of to

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