

TECHNICAL REPORT NO. 11 (1990)

Table of Contents

Research Staff	ii
Acknowledgment	iii
Table of Contents	iv
CHAPTER 1 Measurement of Complex Permittivity of Materials Using a Monopole Antenna, Part I: Infinite Medium by Helen Y. D. He and Liang C. Shen	
CHAPTER 2 Measurement of Complex Permittivity of Materials Using a Monopole Antenna, Part II: Boundary Effects by Helen Y. D. He and Liang C. Shen	
CHAPTER 3 Impedance of a Dipole Antenna in a Finite Dielectric Medium by Helen Y. D. He and Liang C. Shen	
CHAPTER 4 Three-Dimensional Modeling of Electrode-Type Resistivity Logging Tools by the Finite-Element Method by Michel S. Bittar and David P. Shattuck	
CHAPTER 5 Theory of Coil-Type Resistivity Sensor for MWD Application by Liang C. Shen	
CHAPTER 6 Numerical Simulation of Subsurface Radar for Detecting Buried Pipes by C. Richard Liu and Liang C. Shen	
APPENDIX List of Theses and Dissertations	