

Softwares

Earth and Complex System Physics Research Group

Research Products - softwares:

Development of MT data processing & modeling

Robust MT data processing:

- Software: Sutarno and numerical phase-consistent smoothing (Geosystem; Milan; Italy)
- Software: RobMT (HarbourDom Consulting; Cologne, Germany)
- Software: BL-RobMT

MT Modeling:

- Software: 2D Vector Finite Element MT Modeling
- Software: 3D Vector Finite Element MT Modeling

Further work:

- Further improvement for the 3D Vector Finite Element MT Modeling
- 2D Vector Finite Element MT Inversion
- 3D Vector Finite Element MT Inversion
- Joint Inversion Scheme (MT-Res DC, EM-Conventional Methods)

RESEARCH PRODUCTS - SOFTWARES:

Development of CSAMT & TEM Modeling

- Software : Full Solution 1D Finite Element CSAMT Modeling (Non-plane wave approach)
- Software : Full Solution 2D Finite Element CSAMT Modeling (Non-plane wave approach)
- Software: TEM Modeling

Further Work

- Hardware \Rightarrow Robust EM receiver system with Real time processing