

GЕOTOMO RES2DINV RES3DINV

AGS  Aarhus GeoSoftware

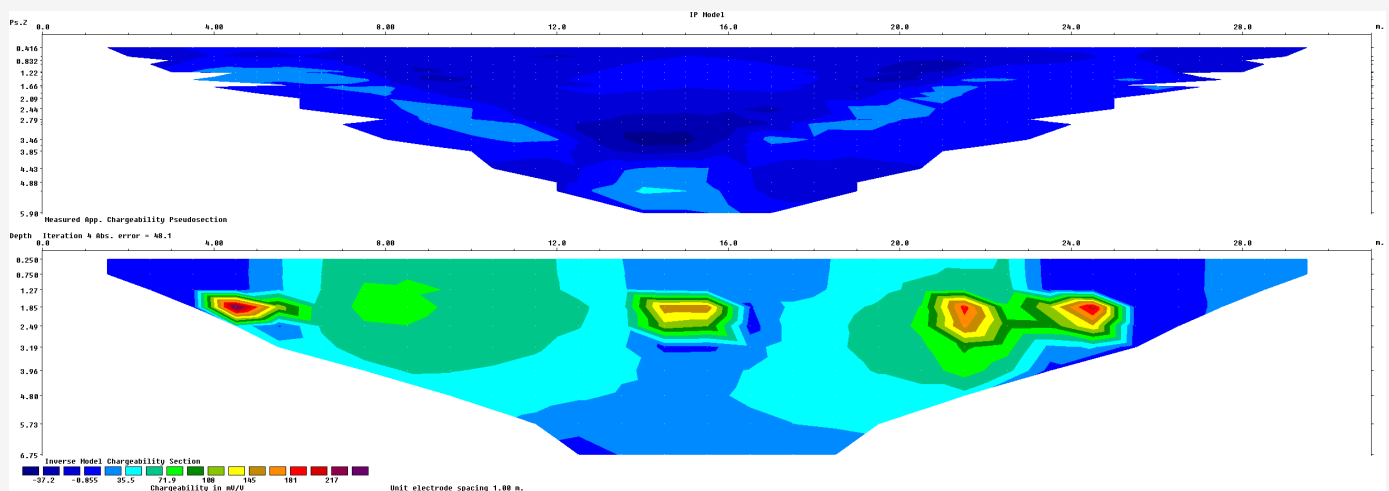


GEOTOMO RES2DINV RES3DINV

OVERVIEW

Res2Dinv and res3Dinv are a powerful software package for inversion of 2D and 3D ERT (DC) and IP data. The programs offers a simple workflow from data import to inversion and visualization, while still offering full control over inversion parameters for advanced users.

The programs are very flexible and can between them handle nearly every imaginable survey configuration, including topography, borehole and subsurface electrodes, spatially extended electrodes, arbitrary electrode locations, electrodes on and in water-bodies and streamed electrode configurations, as well as all conventional configurations.



RES2DINV

- 2D inversion of ERT DC and IP data for resistivity/ conductivity and chargeability
- Supports all common electrode configurations as well as custom electrode configurations, underwater and cross-borehole surveys
- Basic data processing options
- Supports smooth and sharp inversions
- Possibility to incorporate known geophysical information to guide and constrain inversion
- Easy visualization of pseudosections and inversions as well as export of results to use in visualization and interpretation software
- Time-lapse inversion of datasets, and easy combination of separate datasets into time-lapse datasets
- Data import from a wide range of native file formats, including the standard .dat format

Licensing levels

RES2DINVx64 and RES3DINVx64 Starter // Limited to 1000 electrodes and 5 iterations for 3D inversion, unlimited 2D inversion.

RES2DINVx64 and RES3DINVx64 Basic // Limited to utilizing 8 GB RAM and 1.6 million modelling grid nodes.

RES2DINVx64 and RES3DINVx64 Professional // Can utilize up to 256 GB RAM. Supports time-lapse inversion.

RES3DINV

- 3D inversion of ERT DC and IP data for resistivity/ conductivity and chargeability
- Inversion of true 3D datasets as well as datasets combined from 2D survey lines
- Supports all common electrode configurations as well as arbitrary electrode configurations, borehole, subsurface and spatially extended electrodes
- Supports water layers and bodies, and streamed electrode configurations
- Supports smooth and sharp inversions
- Removal of bad data points based on dataset- and inversion statistics
- Possibility to incorporate known geophysical information to guide and constrain inversion
- Easy visualization of horizontal and vertical sections or export to 3D visualization software
- Time-lapse inversion of datasets (only professional version), and easy combination of separate datasets into time-lapse datasets

