

Advanced inversion modelling in Oasis montaj

CONSTRAINT CHEAT SHEET

Use this cheat sheet to complement the learnings from session four of the Oasis montaj Mastery Series.



Starting model

- This impacts the 1st iteration only. Constant or Voxel.



Parameter reference & weighting

- Needs a physical rock property, constant or Voxel. Weighting 0.001 low, 1 high confidence. Same model can be used for Starting Model!



Gradient reference & weighting

- Needs a physical rock property gradient (susc/m), constant or Voxel. Weighting 1 smooth, 0.001 sharp. Use Weighting independent to enforce shape, faults, contacts. Constant or Voxel.



Upper & lower bond

- Set up upper and lower limits of result. Constant or Voxel.



Iterative reweighting inversion

- Typically left as 2 iterations – sharpens results both positive and negative. To sharpen only positive and suppress negative, adjust IRI options.



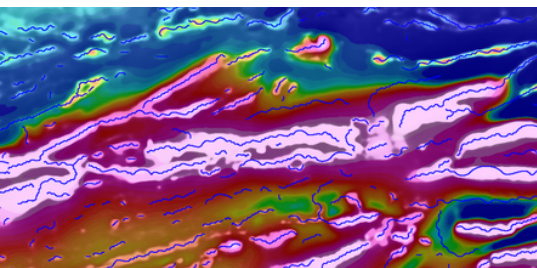
Reweighting

- Global weighting – depth weighting, enforce shape. Typically Voxel.



Active model

- Only invert a portion of your model. Voxel.



Have a question for an Oasis montaj Master?

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