

Occam.f90

Generalizedd Occam's inversion code
Program RUN

CSEM1D.f90

Interface routine between Occam
and Dipole1D. This file has the
routines that do all the dirty work,
like reading data files, converting
data formats, etc.
Contains these subroutines
called by Occam:
computeFWD, readData,
readModel,constructPenaltyMat,
countPenaltyTerms.

Dipole1D.f90

Given a transmitter and recievers,
computes the E and B fields, and
optionally the layer sensitivities
 $dE/d\text{Sigma}$, $dB/d\text{Sigma}$. I/O
using module Dipole1D

FilterModules.f90: contains filter
coefficients for Digital Hankel Tranform.

