GeoThrust V4.2 Release Notes

(Release Date: February 25, 2021)

GeoThrust Version 4.2 has the following new features and improvements from Version 4.1:

PREP

User can now select an area on the seismic for which to display the FK-spectra

BALANCING: added option to perform bandlimited trace amplitude balancing

INTEGRATION: added option to scale the amplitude spectrum by performing a single-integration, double-integration, or double-differentiator filtering

MEDIANFLT: Added median filter and fixed a bug to avoid an even number for the operator length

MINPHASE: added option to exclude dynamite shots (3D only)

MIXING: added option to apply median filter

NMO: added an option perform NMO from a non-zero time

REGISTER: new option to save current data to a register to be called in to the flow at a later step; to be used together with REGISTERMATH

REGISTERMATH: new option to perform a number of math operations to the data saved in a register; allows great flexibility to perform bandlimited operations, or windowed operations on the data

RHO: new module to perform a zero-phase ω filter to manipulate the amplitude spectrum

SCSCALE: added new option to compute equal shot/receiver scalars and/or maintain the average amplitude of the input traces

SORTCOCA: new module to sort a CMP gather by common-offset-common-azimuth order

TAUP: new module to transform the data in to the Tau-P domain

TAUPI: new module to perform inverse Tau-p transform

TVSW: added an option to perform amplitude-preserving TVSW

3DVIEWM

Added ability to extract and view a 2D model from the 3D model

3DSTATS

Added ability to view histogram for statics values

RMSVEL

Added ability to display interval velocity curve

PSTM

Improved GUI to be able to correctly define OVT Migration allowing negative offsets

RAYTR

3D raytracing .par file will now be named according to the output filename

Utility

Added a new SEGD Converter to handle SeisCap format
SEGD to Segy converter now has more header information in EBCDIC header