Numerical methods

Numerical methods for seismology

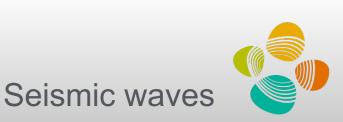
Finite differences (FD)

robust, regular grids

Finite-element method (FEM) geometrical flexible, irregular grids

Pseudo-spectral method (PS)
high accuracy/cost ratio, regular grids

Finite-volume (FV), Particle-based methods, Boundary-element method (BEM) special solutions, engineering





Spectral-element method (SEM)



