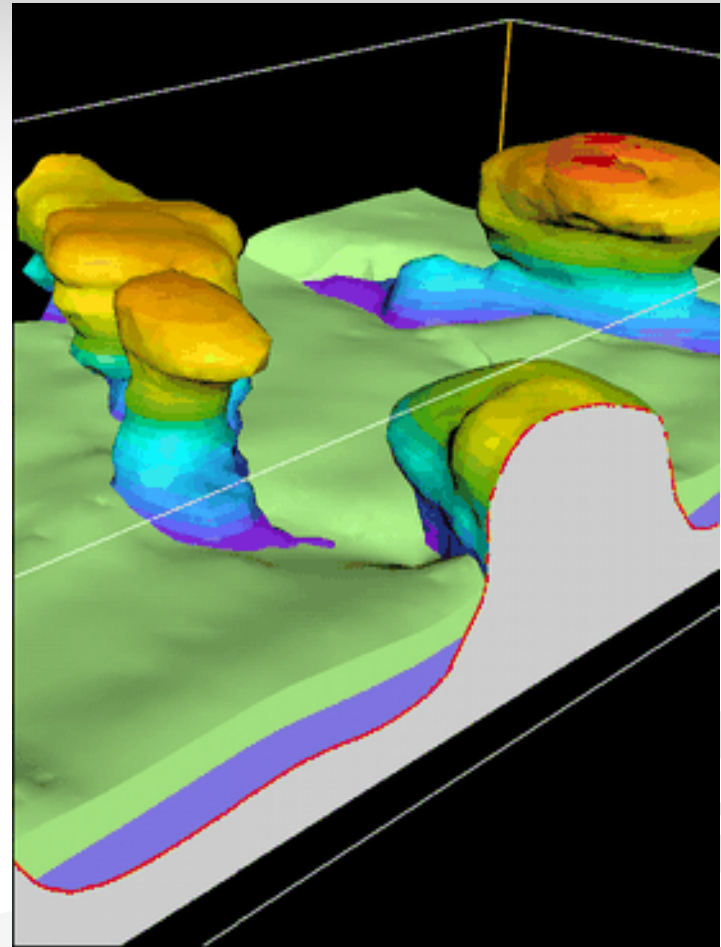


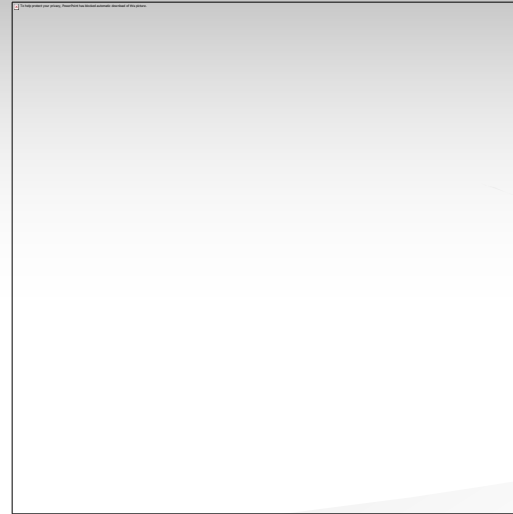
Model Parameterization

- Standardized input and interpolation of α , β , ρ
- Geophysical constraints and relations between parameters



Unfriendly Code Input

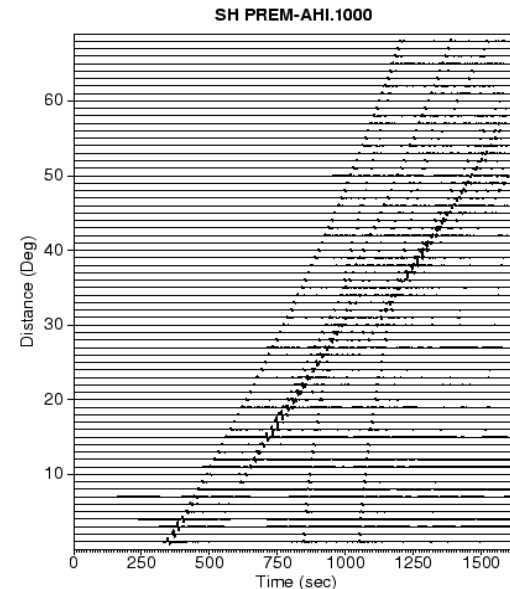
- Ray codes
- Integration paths
- Filtering, instruments, source-time functions



```
C      NOTE. IN THE FOLLOWING, THERE ARE NLEGS+NDISC LINES
C      EACH JSEG LINE, UNLESS NUMBER(JSEG) IS NEGATIVE (IN WHICH
C      CASE THE NLEGS+NDISC LINES FROM THE PREVIOUS JSEG ARE
C      IMPLIED).
C      DO 100 JSEG=1,NSEG
C      READ(KR,*)
C      BOTTOM,TOP,NUMBER,KIIN,KPULSE,IFRSHF,NLEGS,NDISC,
C      2 IDEL,LDEL
```

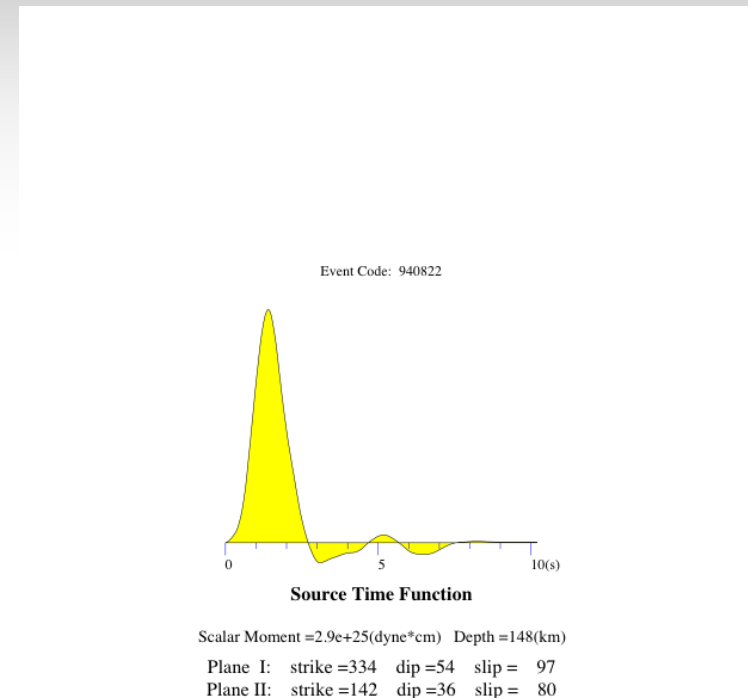
Reference Green's functions

- Seismograms in 1-D models 0.001 to 2 Hz, 0 to 180 degrees
- Candidate algorithms: Modes, SPECFEM, FD/pseudospectral



Source-time functions

- Reference far-field source time functions for Mw 5.0 to 6.8
- Standard parameterization and digitization; downloadable



Who will do this and how will it be funded?

Problem: providing a research tool is not research

The background of the slide features several light gray, wavy, horizontal lines that sweep across the right side of the page, creating a sense of movement and depth.