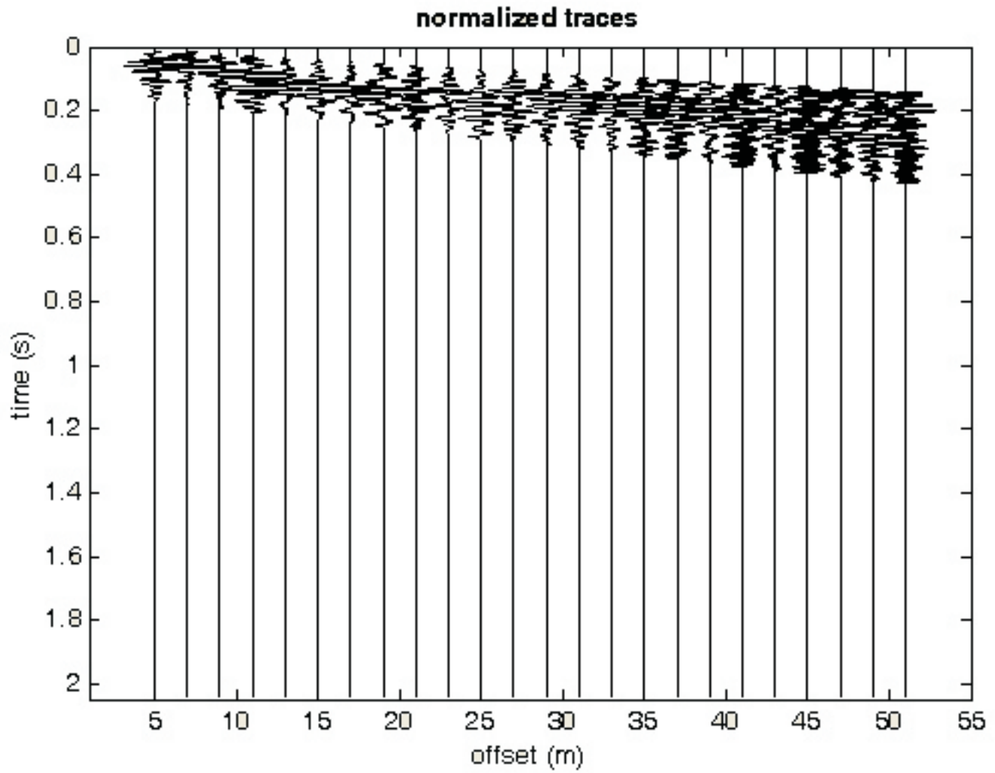
#1: uploading & processing (MASW analyses)

dataset: 2smaswcollina.dat
minimum offset: 5 m
geophone spacing: 2 m
sampling: 0.125 ms



utilities
flip traces
spectrum
movie ?

data selection
activate
select 20
cancel save

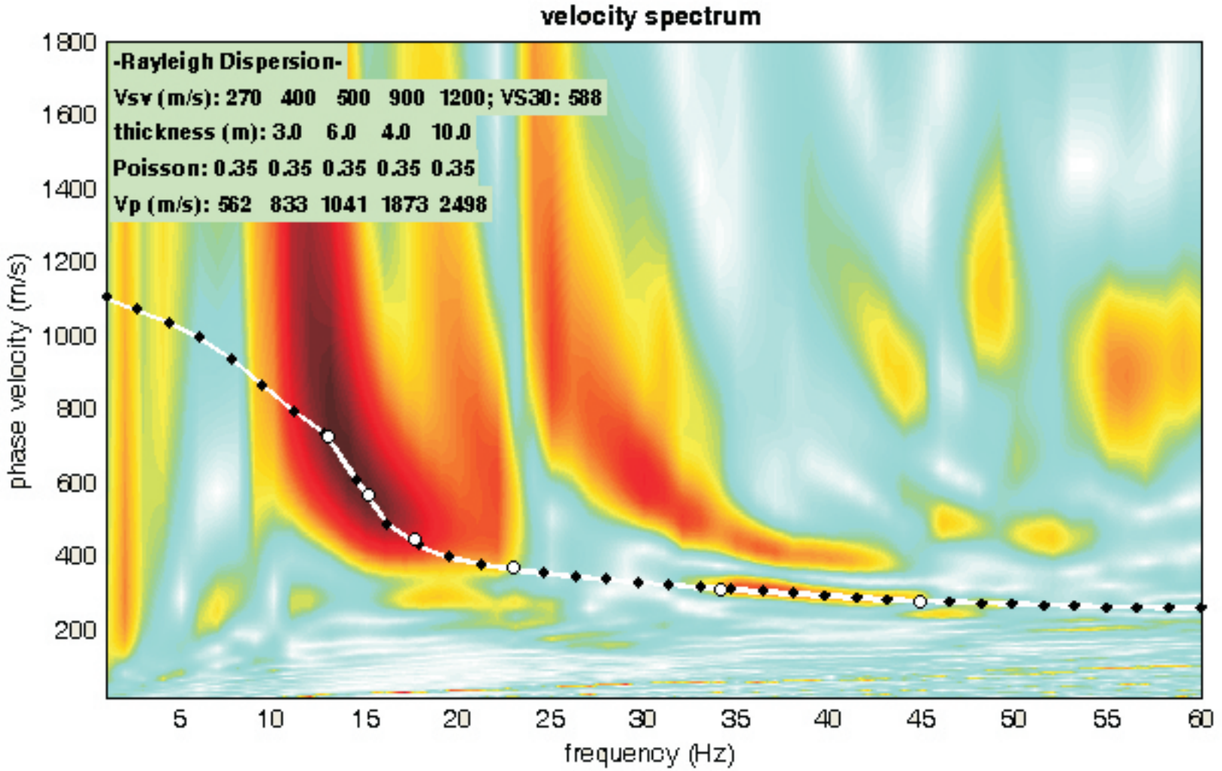
refraction
Professional version

#2: velocity spectrum, modelling & picking (MASW & ReMi analyses)

MASW
calculate spectrum ○ Tau - v

ReMi
Professional version

visualize curves
input curve ?



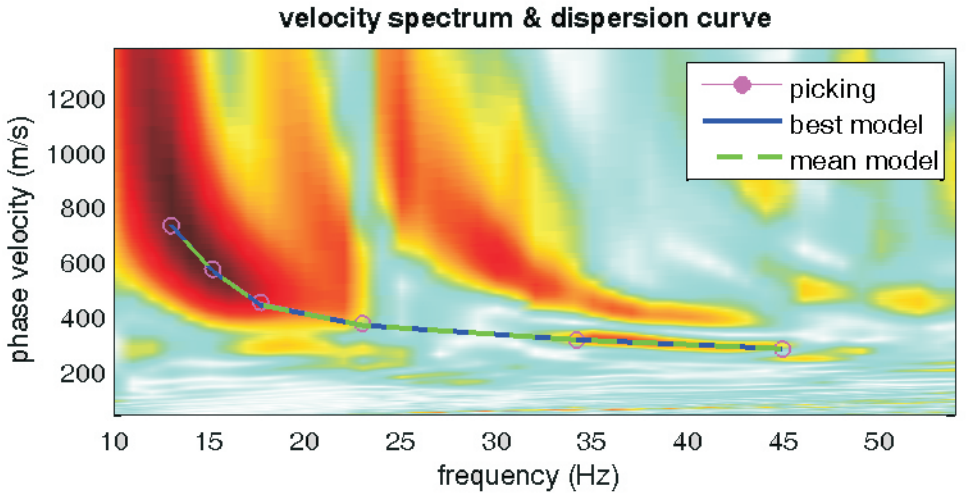
explore spectrum

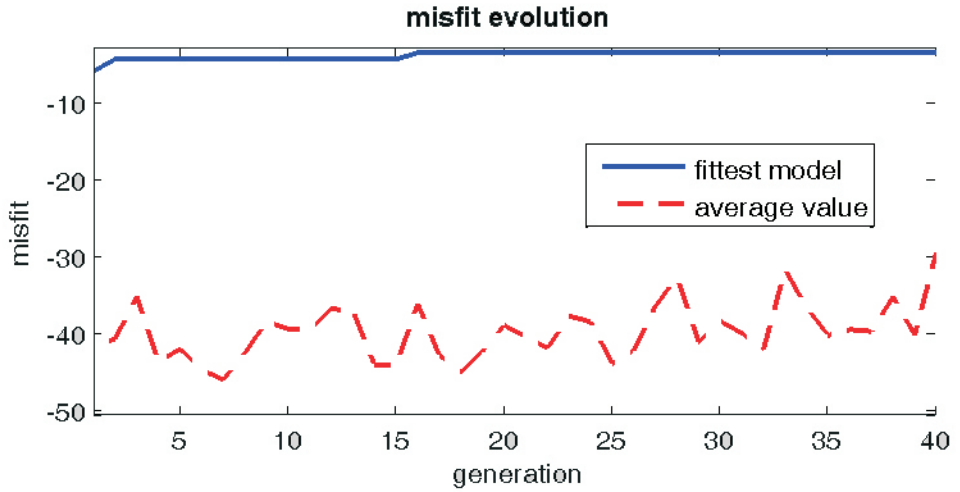
collina.cdp

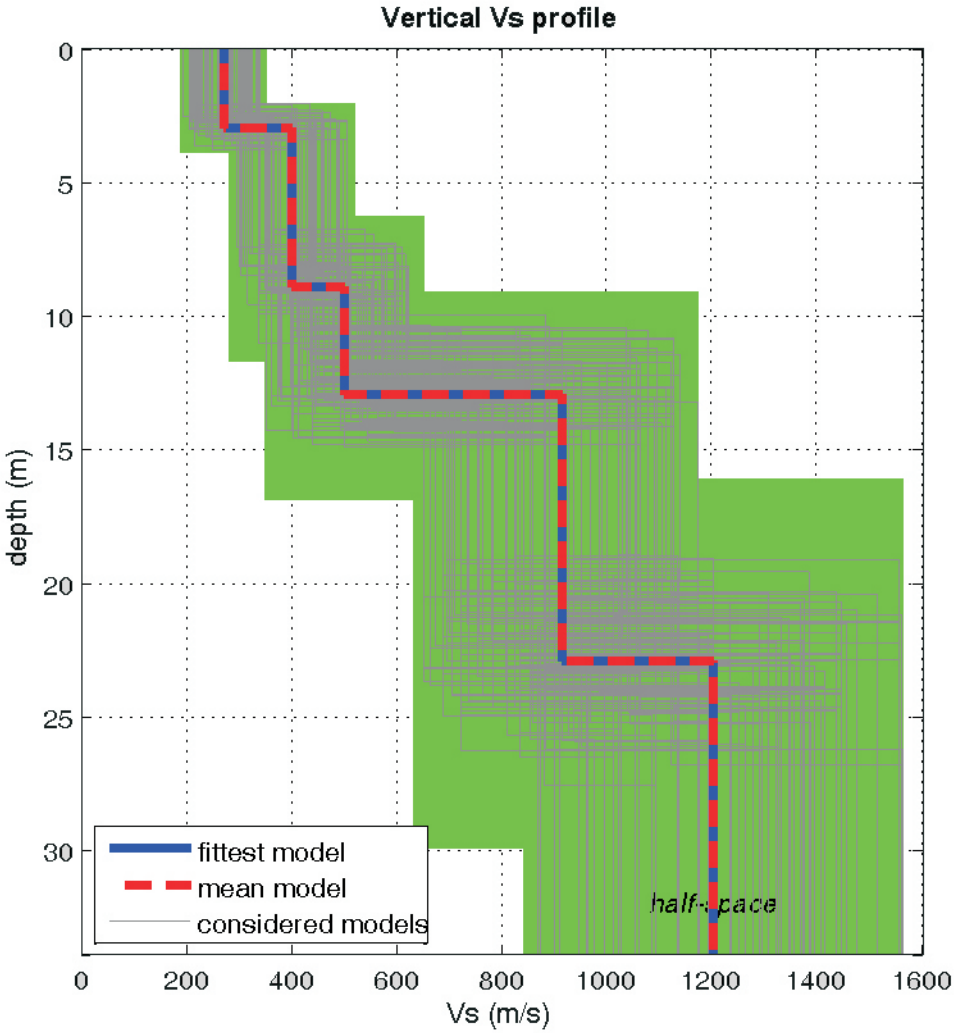
modelling
parameters save model
upload model 3 Love analysis: Professional version
eigen period refresh ?

picking
fundamental ?
use the right button to select the last point of the considered mode
save picking ? cancel picking

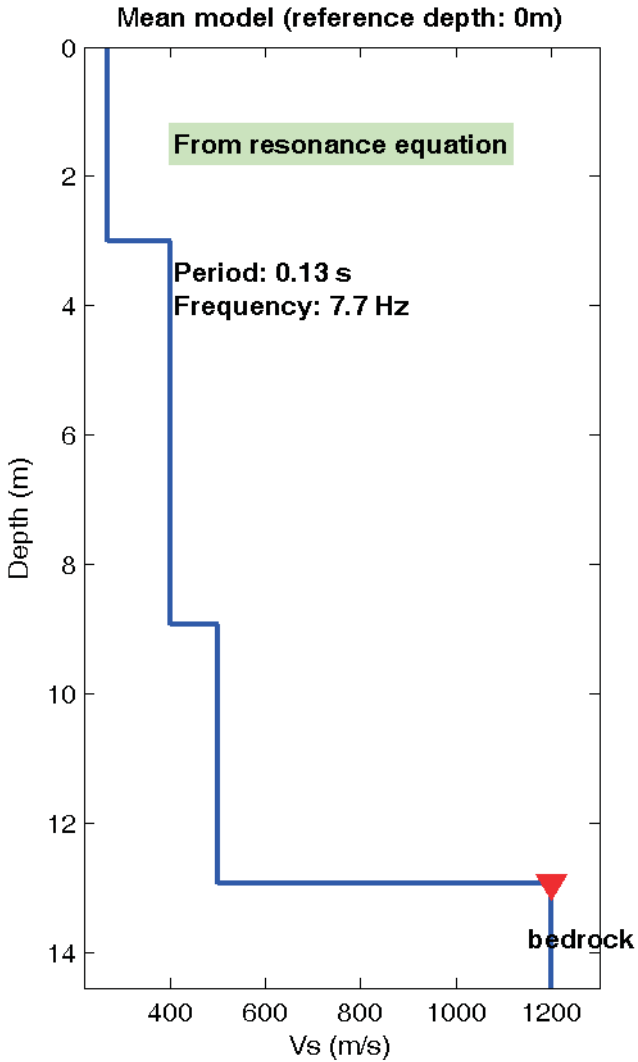
inversion
exit

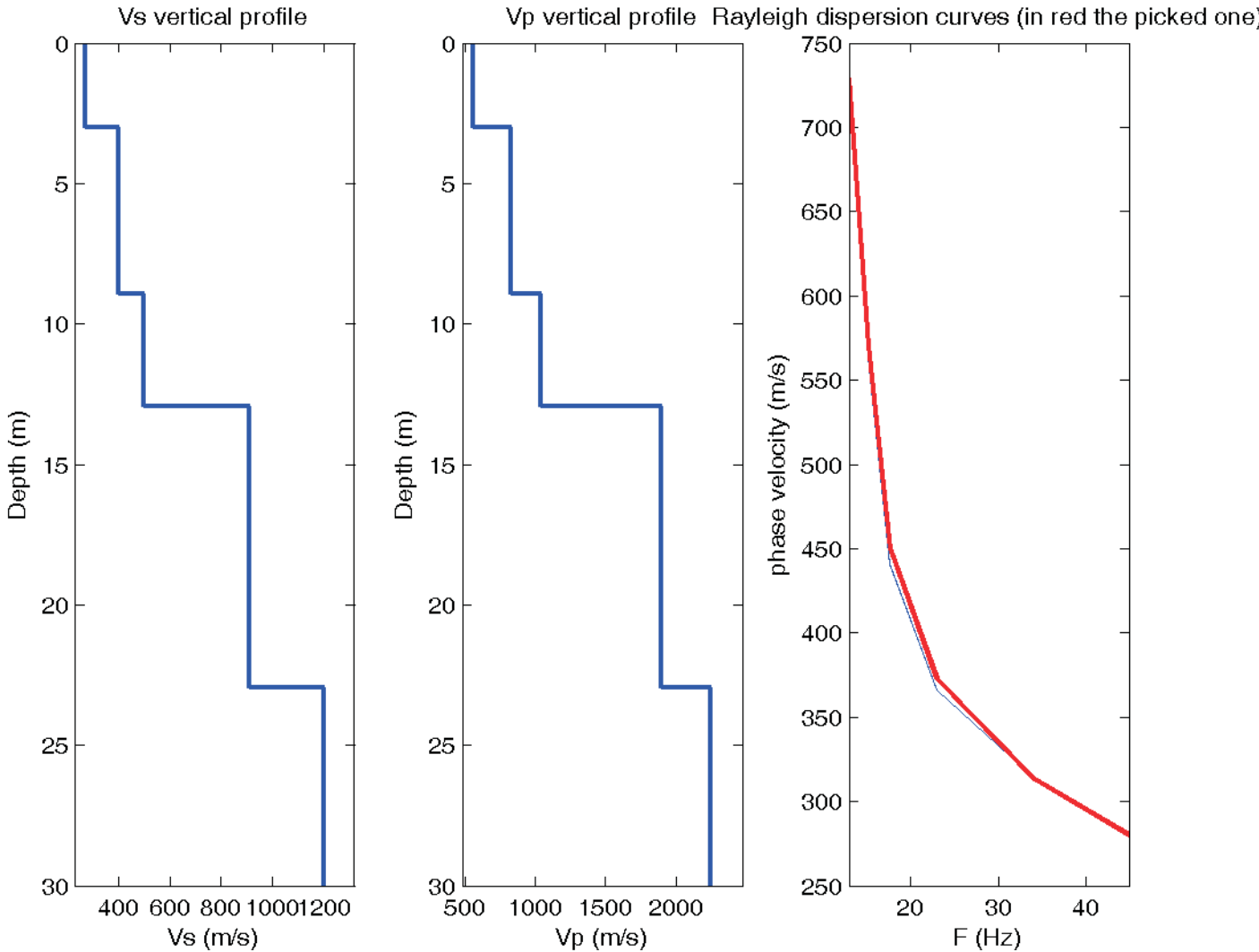


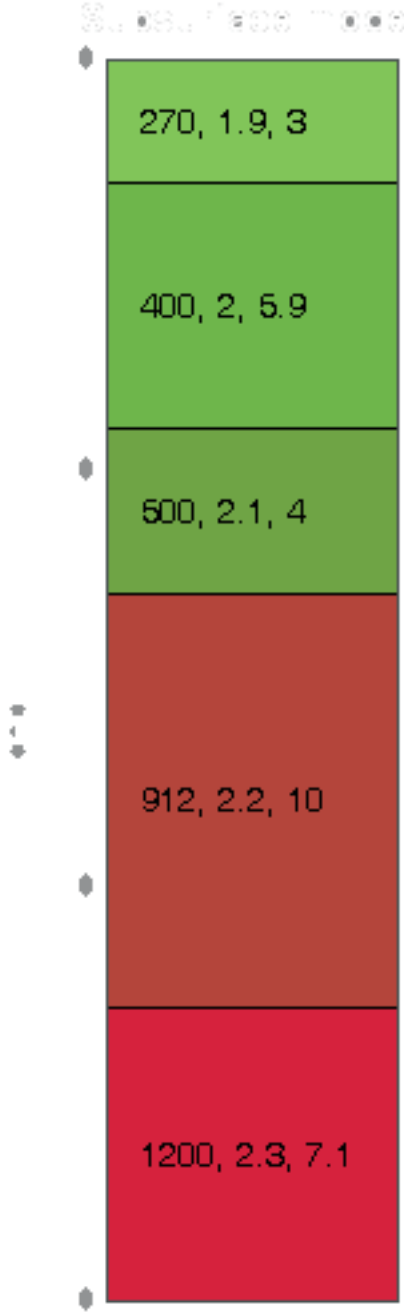




dataset: 2smaswcollina.dat
dispersion curve: collina.cdp
VS30 (best model): 591 m/s
VS30 (mean model): 591 m/s


Mean model (reference depth: 0m)
From resonance equation
Period: 0.13 s
Frequency: 7.7 Hz
bedrock
Depth (m)
Vs (m/s)
0
2
4
6
8
10
12
14
400
600
800
1000
1200


Vs vertical profile
Vp vertical profile
Rayleigh dispersion curves (in red the picked one)
Depth (m)
Vs (m/s)
Vp (m/s)
phase velocity (m/s)
F (Hz)
0
5
10
15
20
25
30
400 600 800 1000 1200
500 1000 1500 2000
750
700
650
600
550
500
450
400
350
300
250
20 30 40



Vs (m/s)	*density* (gr/cm^3)	*thickness* (m)