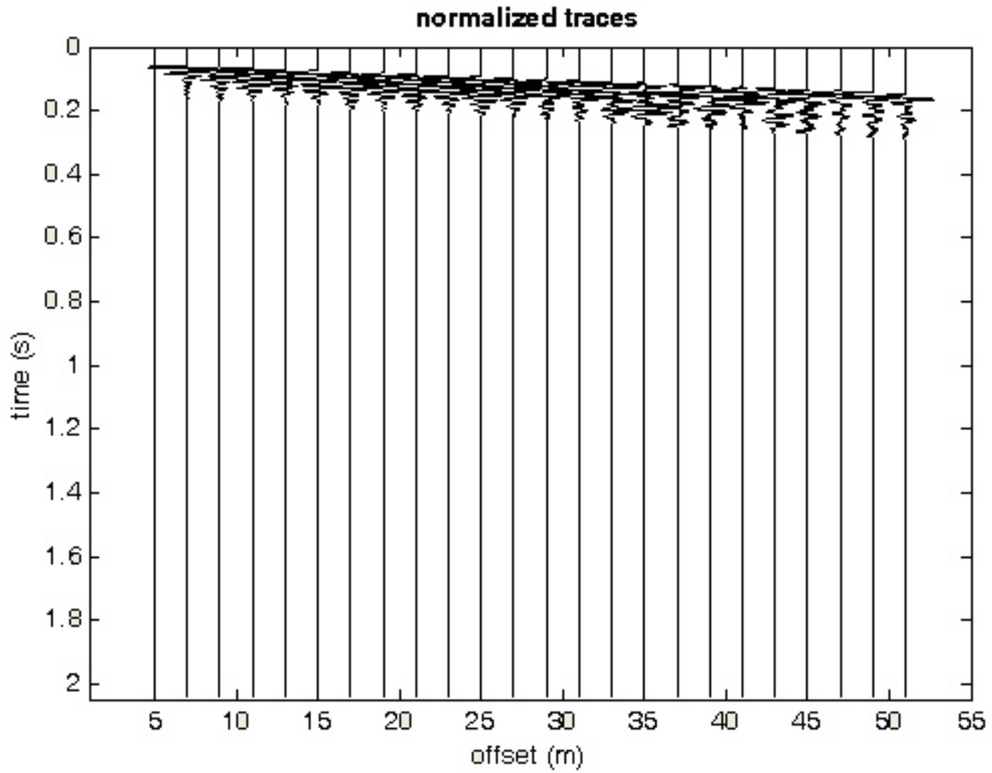
#1: uploading & processing (MASW analyses)

dataset: 1 05maswcantina.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

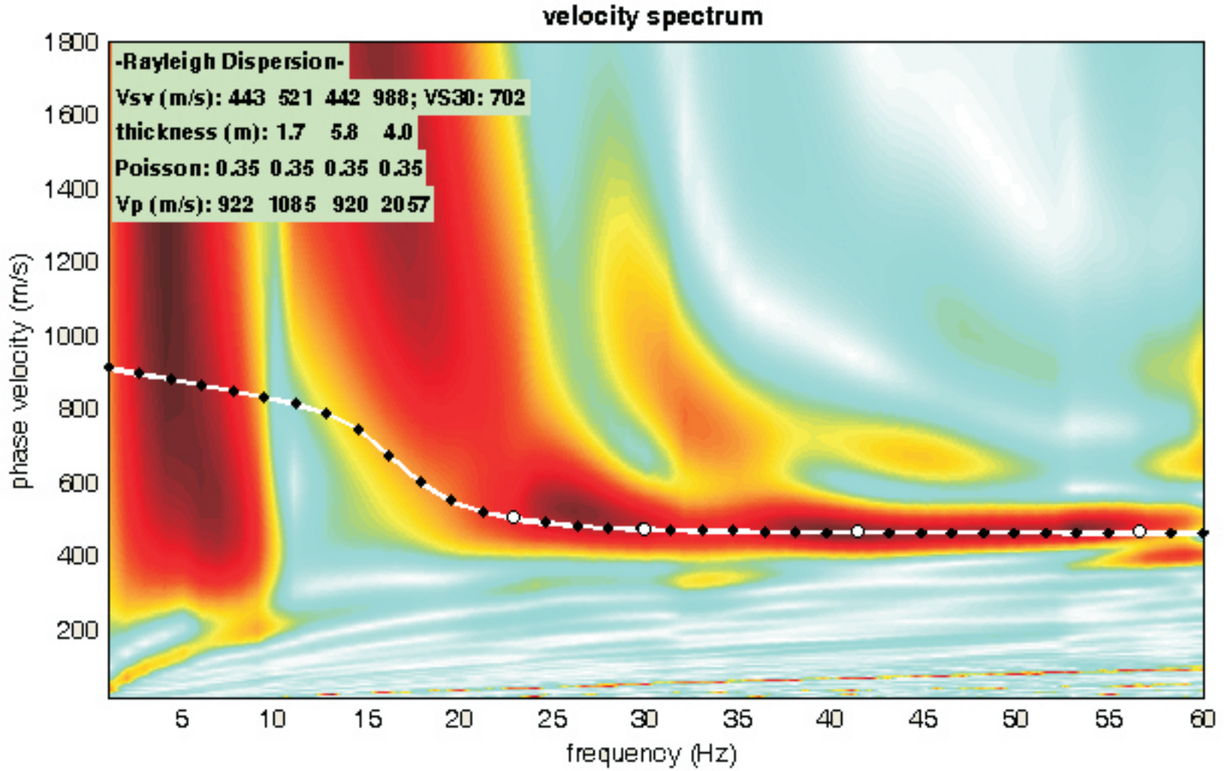
refraction: Professional version

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

MASW: calculate spectrum | Tau - v

ReMi: Professional version

visualize curves: input curve | ?



explore spectrum

MASW CATNA QUACQUARNI.cdp

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

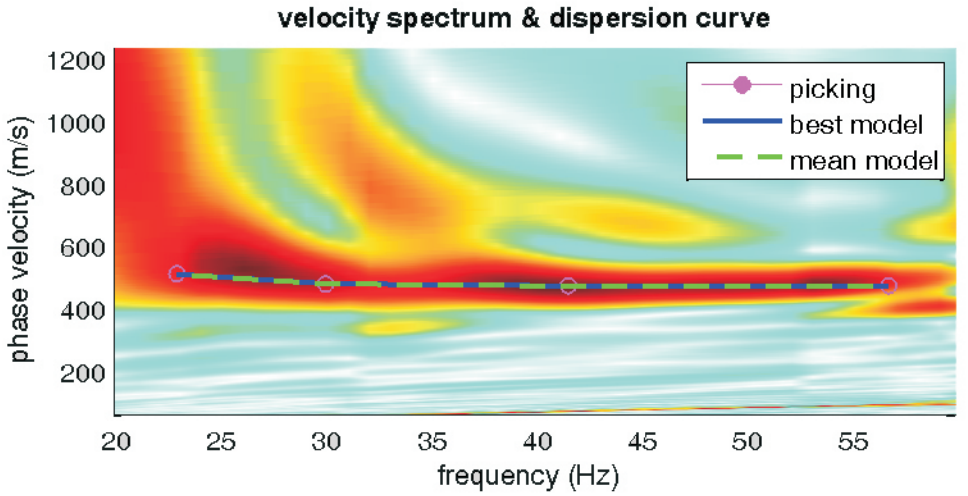
picking: fundamental | ?

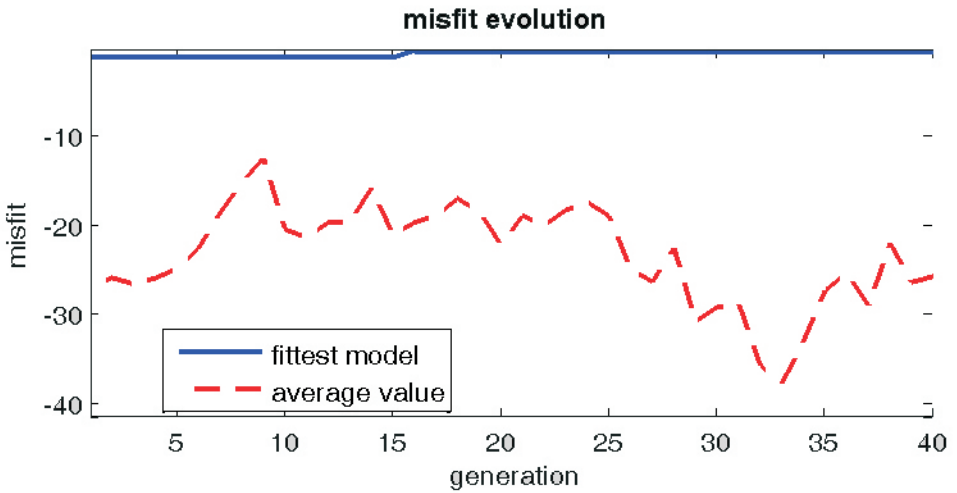
use the right button to select the last point of the considered mode

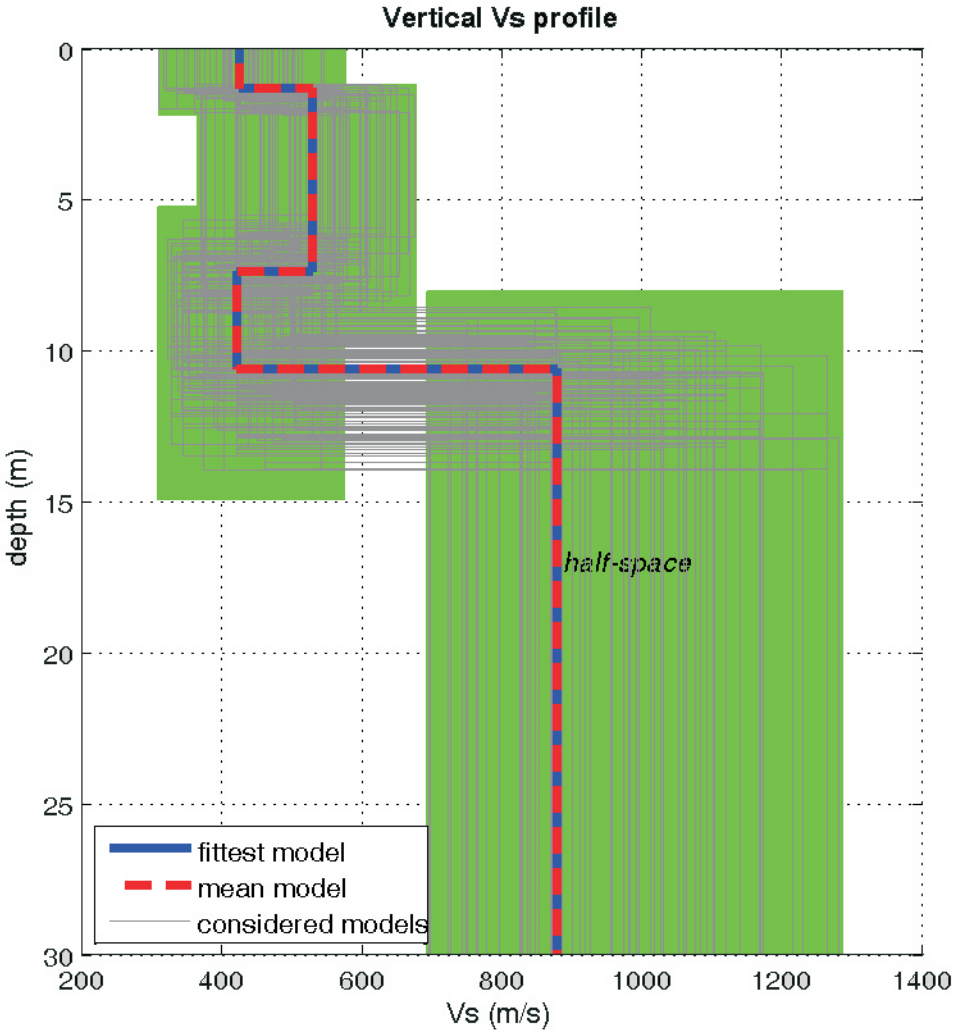
save picking | ? | cancel picking

inversion

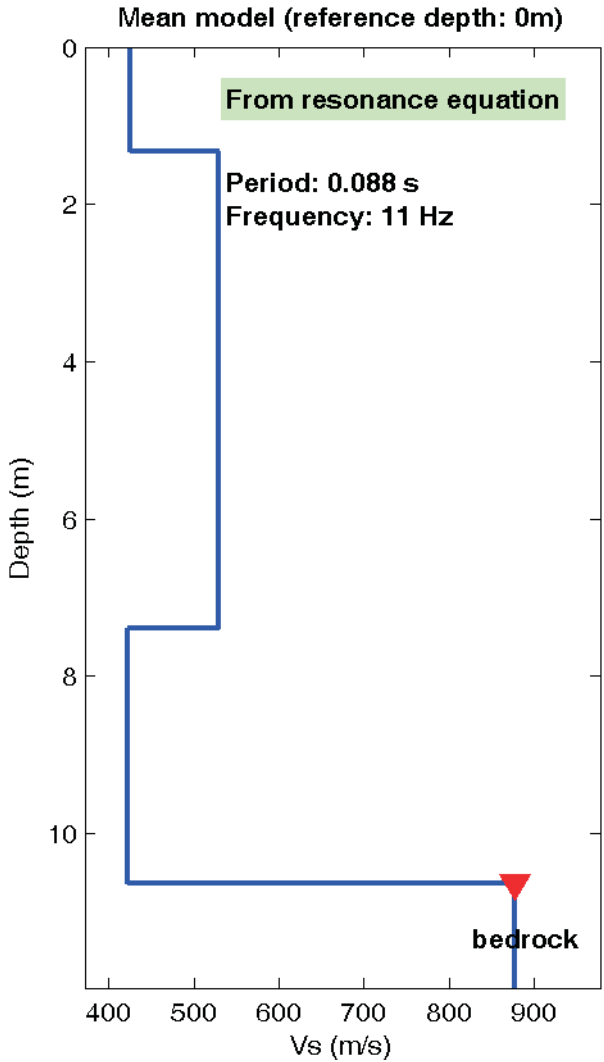
exit

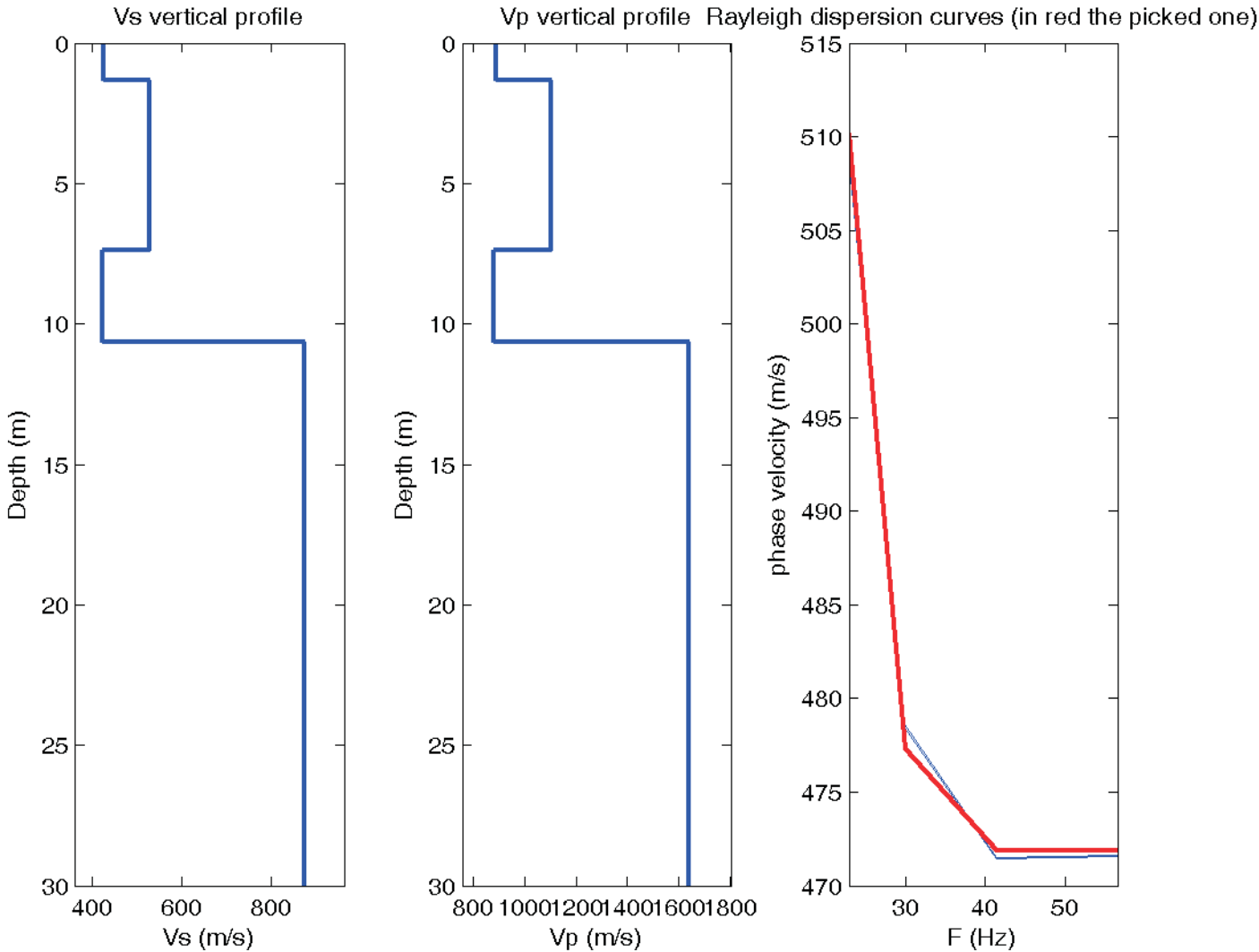


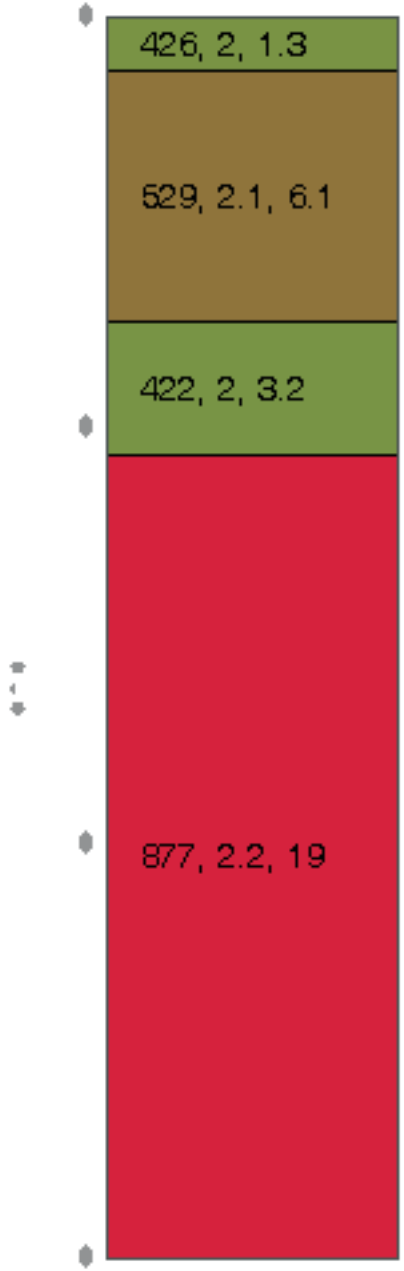




dataset: 1 05maswcantina.dat
dispersion curve: MASW CATINA QUACQUARINI.cdp
VS30 (best model): 676 m/s
VS30 (mean model): 676 m/s


Mean model (reference depth: 0m)
From resonance equation
Period: 0.088 s
Frequency: 11 Hz
bedrock
Depth (m)
0
2
4
6
8
10
400
500
600
700
800
900
Vs (m/s)


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
800 1000 1200 1400 1600 1800
515
510
505
500
495
490
485
480
475
470
30
40
50



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