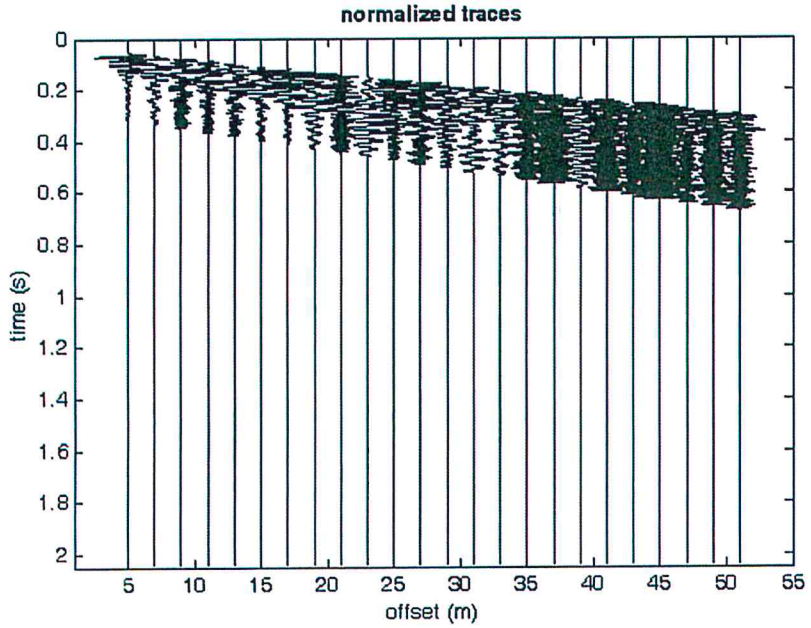
#1: uploading & processing (MASW analyses)

dataset: 2smaswquqrini.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

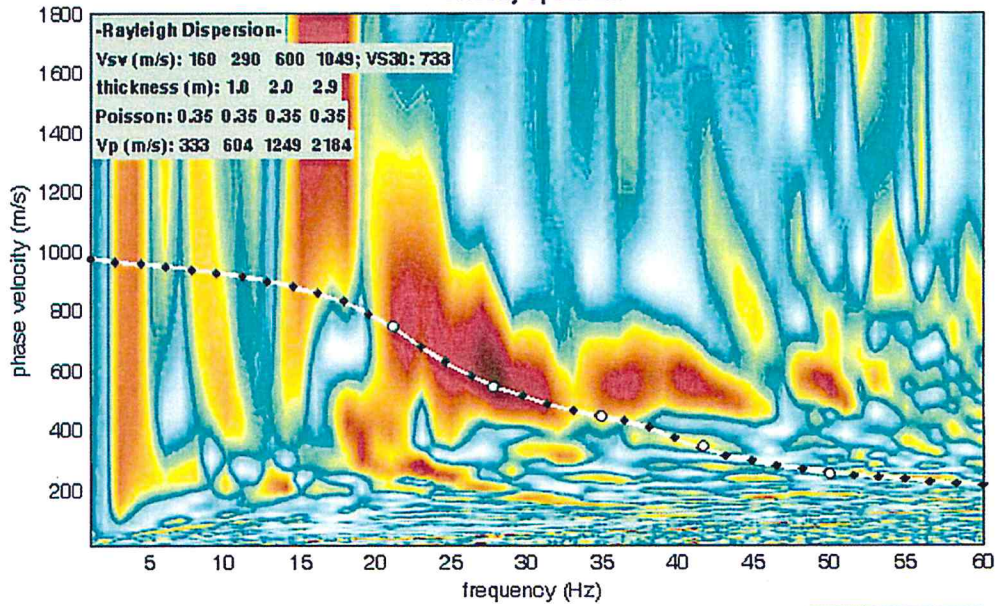
refraction: Professional version

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

MASW: calculate spectrum | Tau - v

ReMi: Professional version

visualize curves: input curve | ?



explore spectrum

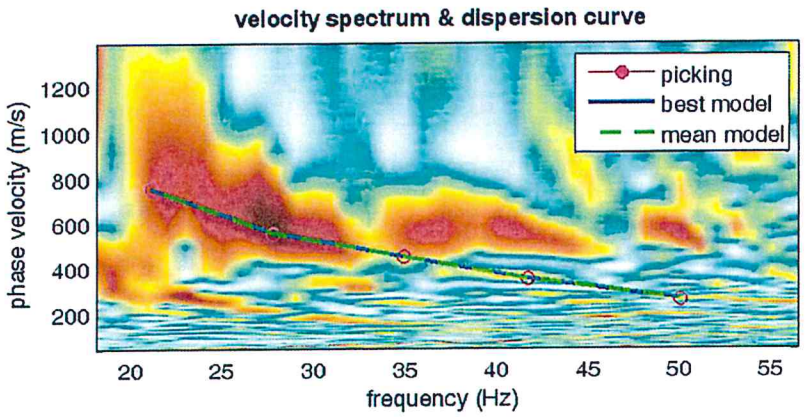
masw Quaquarini.cdp

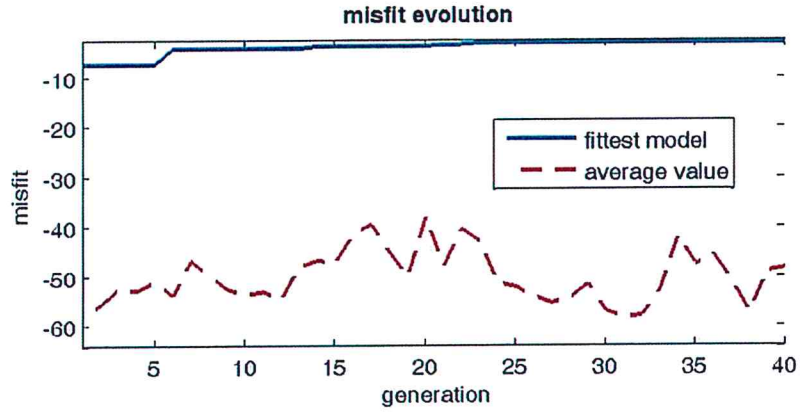
modelling: parameters | save model | upload model | 3 | Love analysis: Professional version | eigen period | refresh | ?

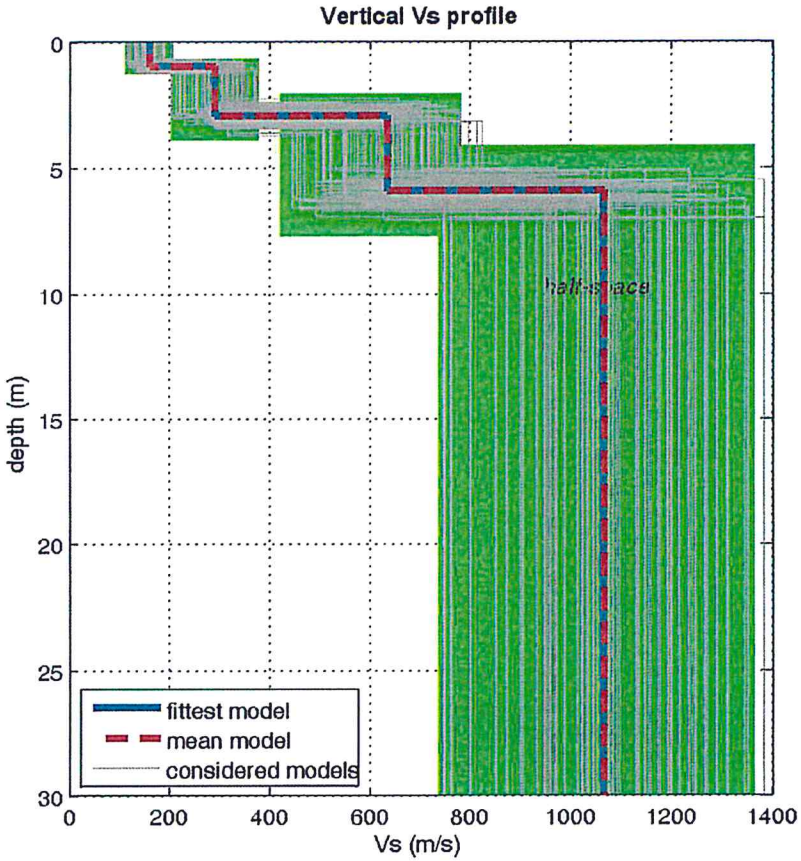
picking: fundamental | ? | use the right button to select the last point of the considered mode | save picking | ? | cancel picking

inversion

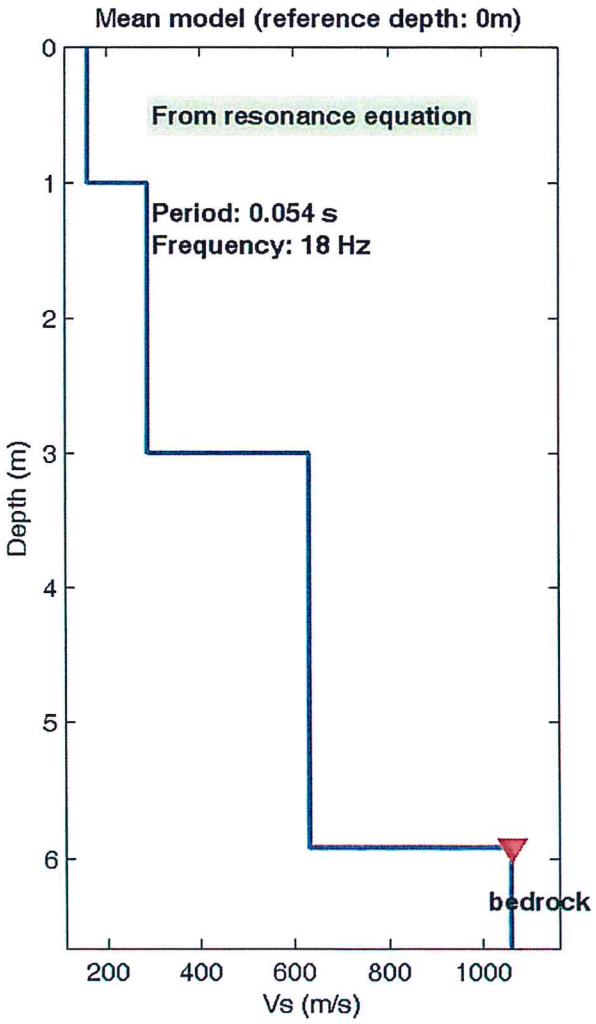
exit

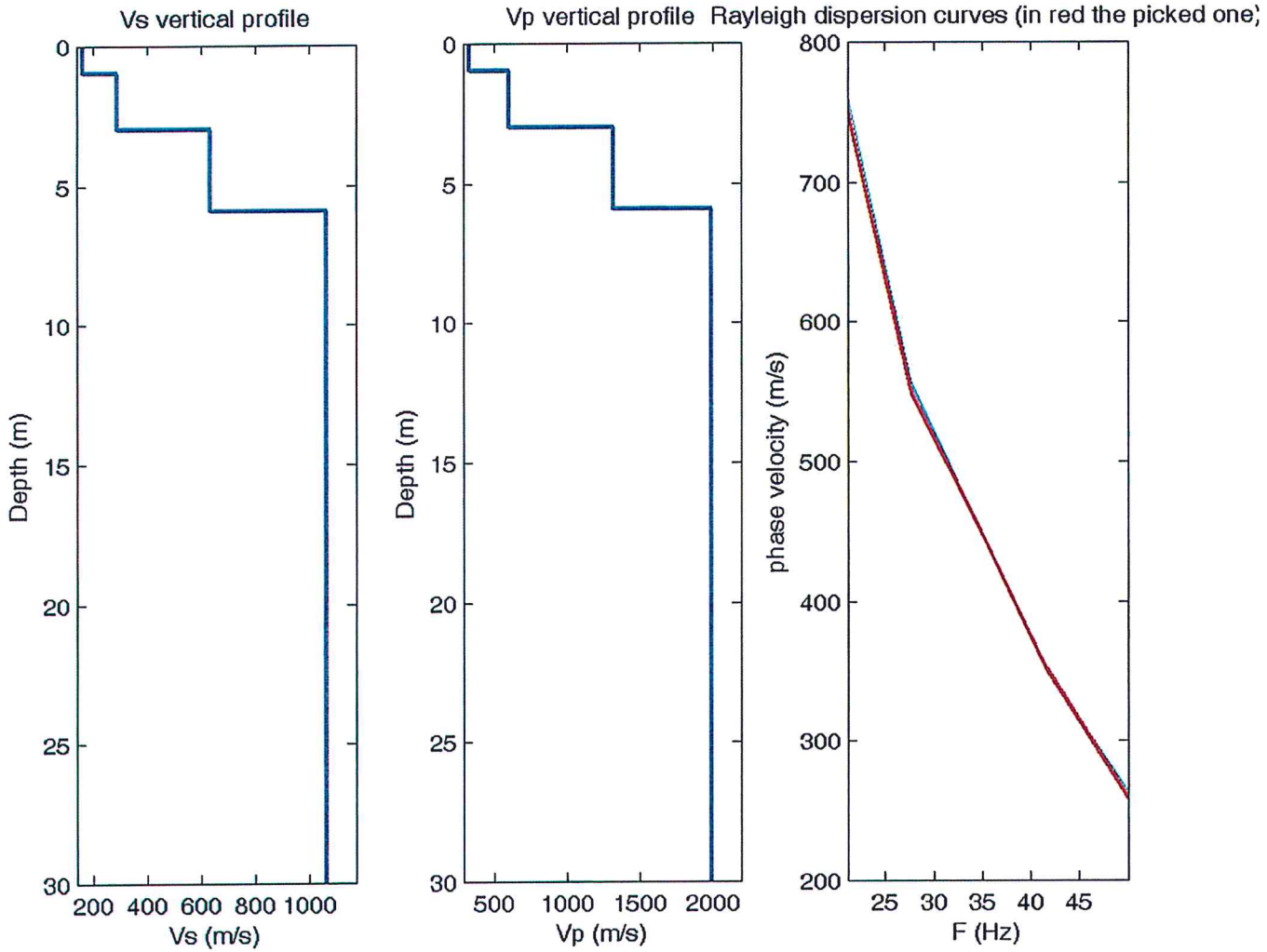


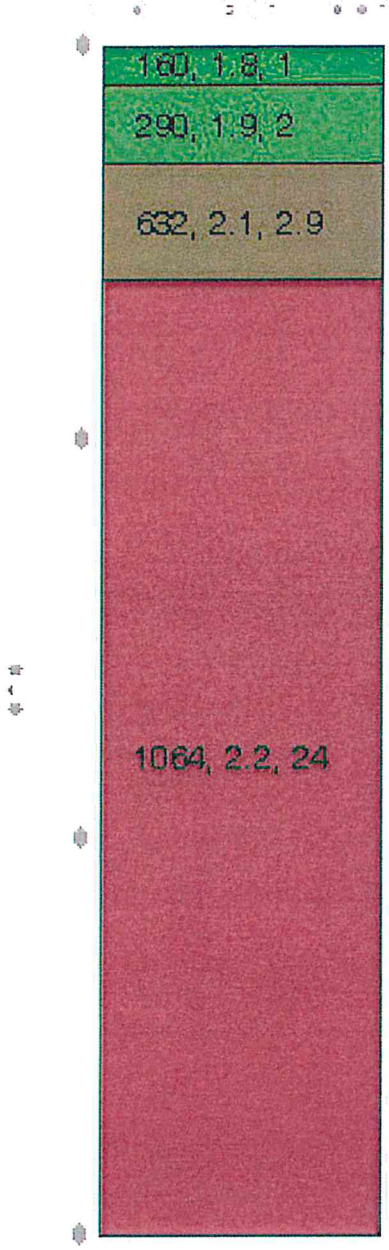




dataset: 2smaswquqrini.dat
dispersion curve: masw Quaquarini.cdp
VS30 (best model): 743 m/s
VS30 (mean model): 743 m/s


Mean model (reference depth: 0m)
From resonance equation
Period: 0.054 s
Frequency: 18 Hz
bedrock
Depth (m)
Vs (m/s)
0
1
2
3
4
5
6
200
400
600
800
1000


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
200 400 600 800 1000
500 1000 1500 2000
800
700
600
500
400
300
200
25 30 35 40 45



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