

WINSISM



This software package represents the easiest and most immediate solution when you need to carry out the inversion of refraction seismics data in Windows®. The picking of the first arrivals may be done on any file in SEG-2, KGS or ES-1225 format (without AGC), using the "zoom" and "scroll screen" functions.

The algorithms for data processing, capable to manage up to a maximum of 48 shots with 96 geophones for each energization, have been accurately tested in real situations. Inversions may be realized through the following methods:

- Intercept times
- Critical distance
- GRM (Palmer, General Reciprocal Method) analysis
- Delay times

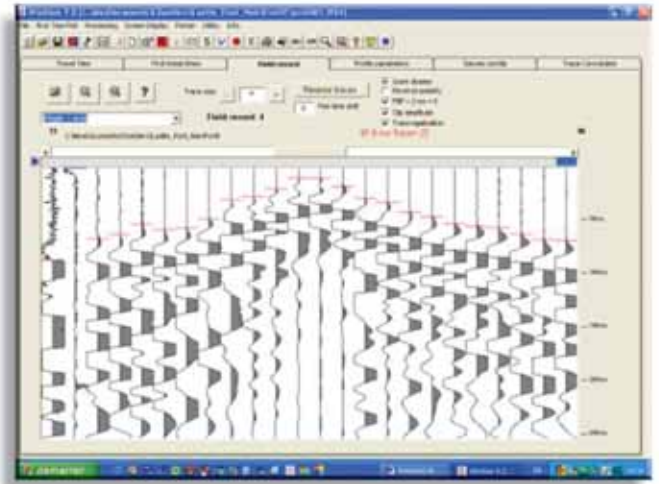
Winsism accepts any kind of survey geometry, geophones spacing, shot point distances, source-geophone distances.

The real speed may be calculated even in case of non-horizontal bedrocks. Furthermore, it will be possible to display the seismic profile, considering the reciprocal distances and elevation between different geophones; the layer thickness and depth will be calculated for each shot.

The minimum hardware requirements for the use of Winsism are the following:

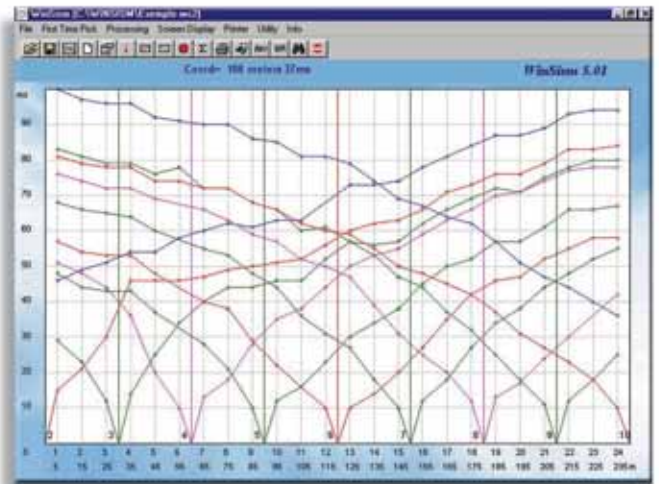
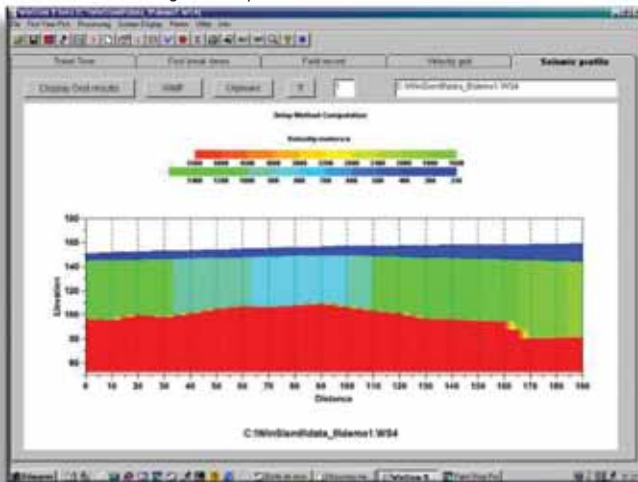
- PC IBM or compatible, processor 486DX or superior
- Windows95/98/NT®
- Colour SVGA monitor (the B/W version for old laptop screens is also available)
- 2 MB of free space on disk
- Printer with Windows® driver (colour ink-jet printers are recommended)

First arrivals picking



Time-space diagram (dromochrone)

Section obtained using the Delay Times method



Velocity function GRM

Seismic profile

