

SEISMIC COMPUTING (3)

- To find the depth to the bed rock in a dam site survey, traveltimes were measured from the shotpoint to the 12 geophones laid out at 50 ft intervals along a straight line through the shotpoint. Determine the depth to the overburden from the data given in the following table:

Distance (ft)	Time (ms)
50	19
100	29
150	39
200	50
250	59
300	62
350	65
400	68
450	72
500	76
550	78
600	83

- In the sketch below, use the Snell's law to Show that:

$$\sin i_{1,5} = V_1 / V_5$$

What is the conclusion you draw out of that?

