

EES 151: Quantitative Foundations
Homework 3
Due: Tuesday March 27, 2018

Name: _____

Models of the interior of the Earth

The first thing we will do is look at the model of the interior of the Earth that is homogeneous with a P wave seismic velocity of 11 km/s.

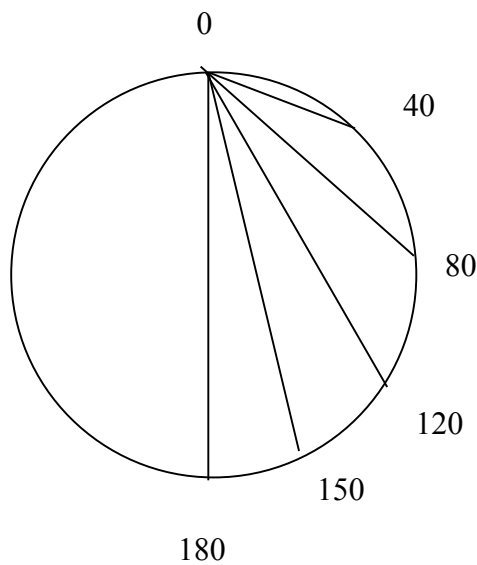


TABLE 1. Model of the interior of the Earth with constant seismic velocity 11 km/sec

Geocentric Angle Δ (degrees)	raypath length (km)	Travel Time (s)	Travel Time (min)
0			
40			
80			
120			
150			
180			

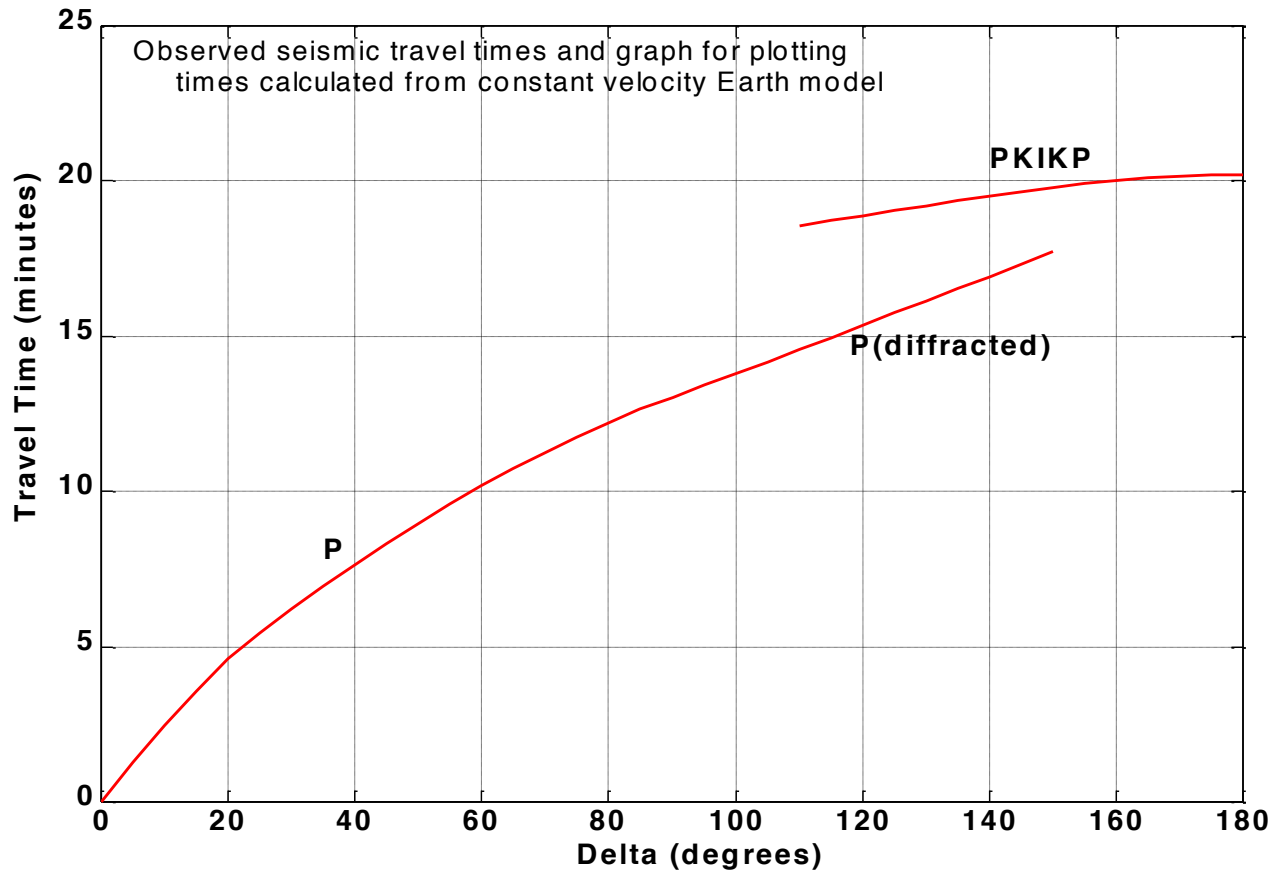


Figure 1 . Observed time travel curve for a compressional wave through the Earth. From Braile (2000)