

Homework Set 3

Geotechnical Earthquake Engineering

1. Problem 3.7 of Text but instead of Campbell (1981) use Tavakoli Pezeshk (2005) which is paper 5 and Pezeshk, Zandieh, and Tavakoli (2011) which is paper 6 in your notes.
2. Problem 3.8 of Text
3. (a) Re-Create Figure 3.22 of Text and (b) Find the Peak Horizontal acceleration using the four models at a distance of 10, 100, 500 km for a magnitude 7.5. Instead of Boore et al. (1993) use Pezeshk, Zandieh, and Tavakoli (2011).