Hi All:  
  
The attached pdf has a scan of the fortran program in stein and wysession - Introduction to seismology, earthquakes and earth structure. It is one of the better intro seismology texts (until Chuck writes his!). Translate this program to matlab, by just translating it line for line. You can find the syntax and examples of Matlab "for" loops on the internet (the main source for information about everything!). At the end plot it and it should look like the figure in the book.  
  
Bob