

CE597M/EAS591G

Homework

due the week of 24 April 2006

What is the time-variation (a.k.a. time-history) of shear strain variation at mid-height of a shear building for the shown ground velocity input? Take the building height as H and

$T_{pulse} = T_{bldg} = \frac{4H}{c}$ where c is the shear-wave speed in the building.

