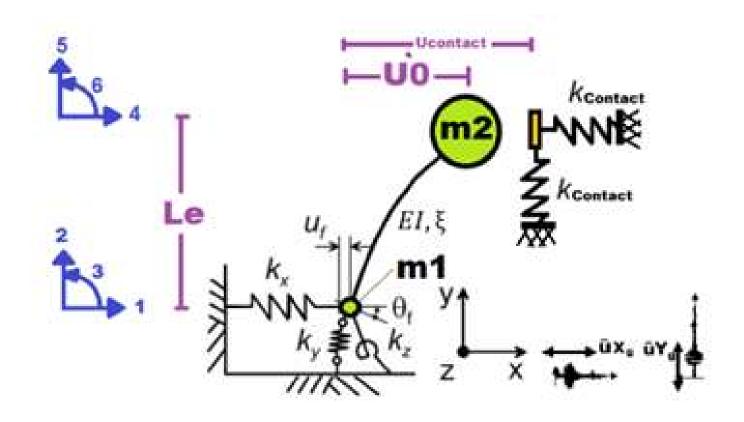
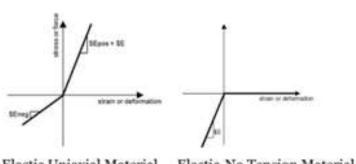
IN THE NAME OF ALLAH

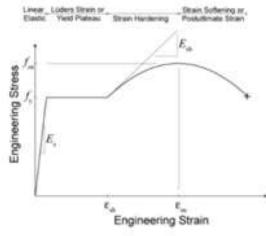
## DYNAMIC TIME HISTORY ANALYSIS EXTERNAL OBJECT CONTACT EFFECTS WITH SOIL-STRUCTURE INTERACTIONS VIA THE SPRING METHOD

WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)





Elastic Uniaxial Material Elastic-No Tension Material



Reinforcing Steel Material

