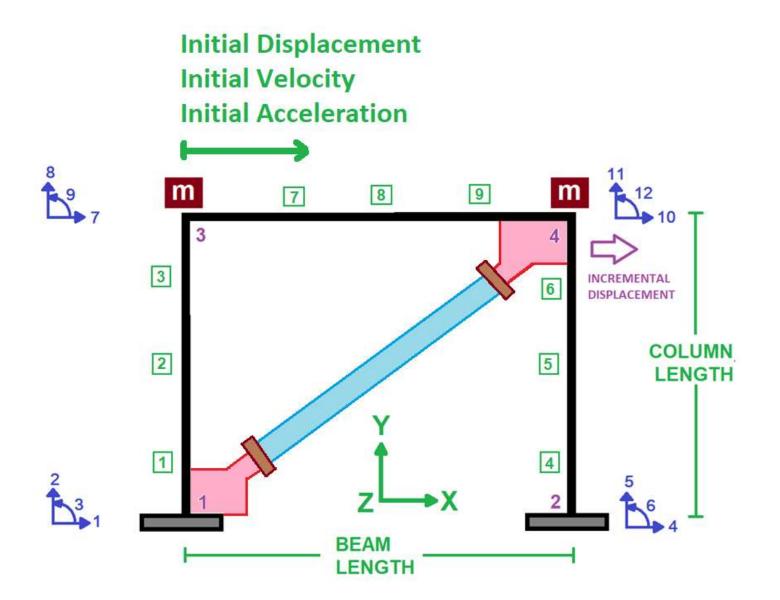
IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL

COMPARATIVE STUDY OF ELASTIC AND INELASTIC STRUCTURAL BEHAVIOR THROUGH PUSHOVER DYNAMIC ANALYSIS. FREE-VIBRATION ANALYSIS OF CONCRETE FRAME WITH VISCOUS DAMPER USING **OPENSEES**

WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)





CORE AND COVER CONCRETE RELATION



WITHOUT HARDENING AND ULTIMATE STRAIN



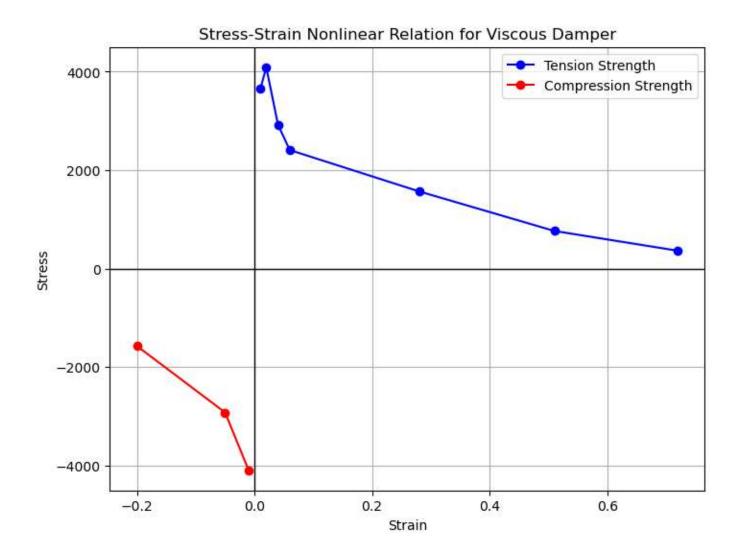
WITH HARDENING AND ULTIMATE STRAIN

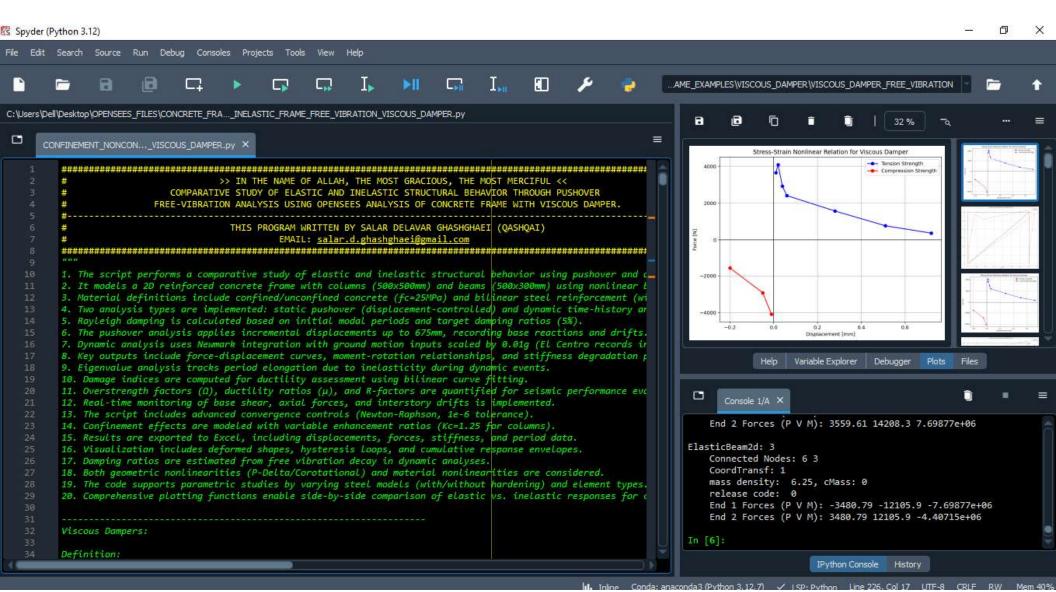


COLUMN SECTION

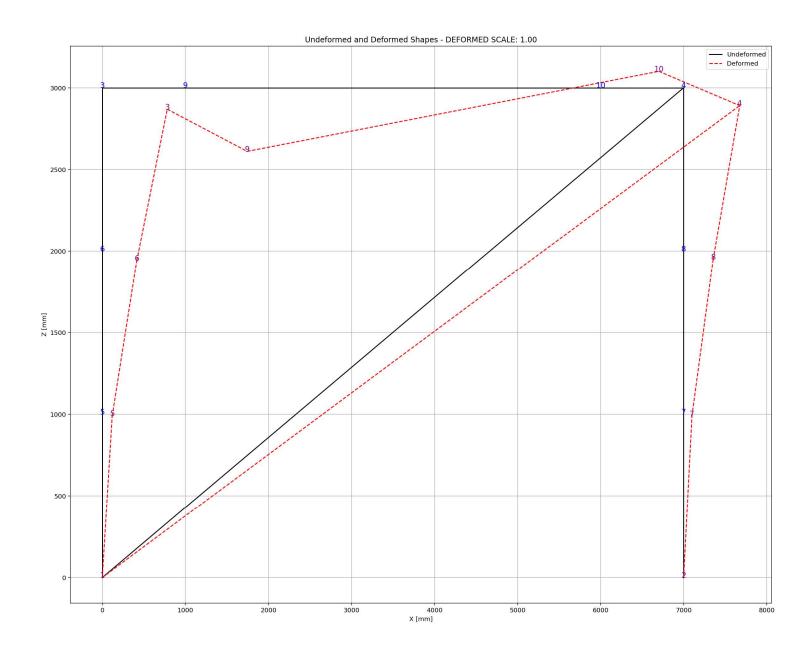


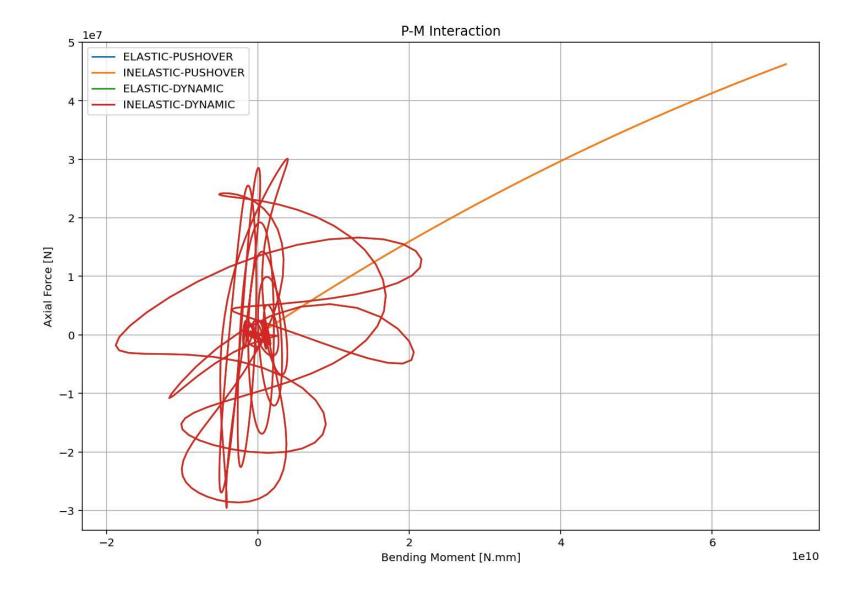
BEAM SECTION

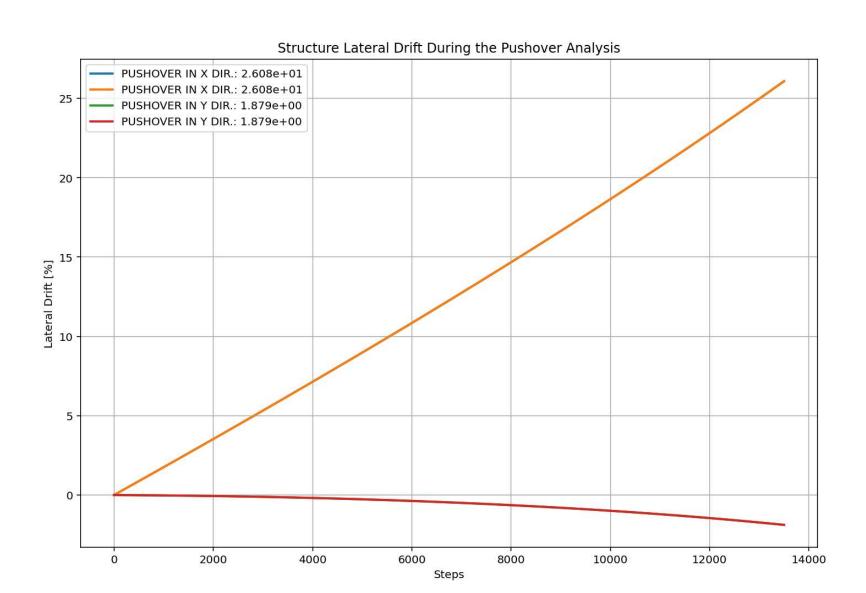


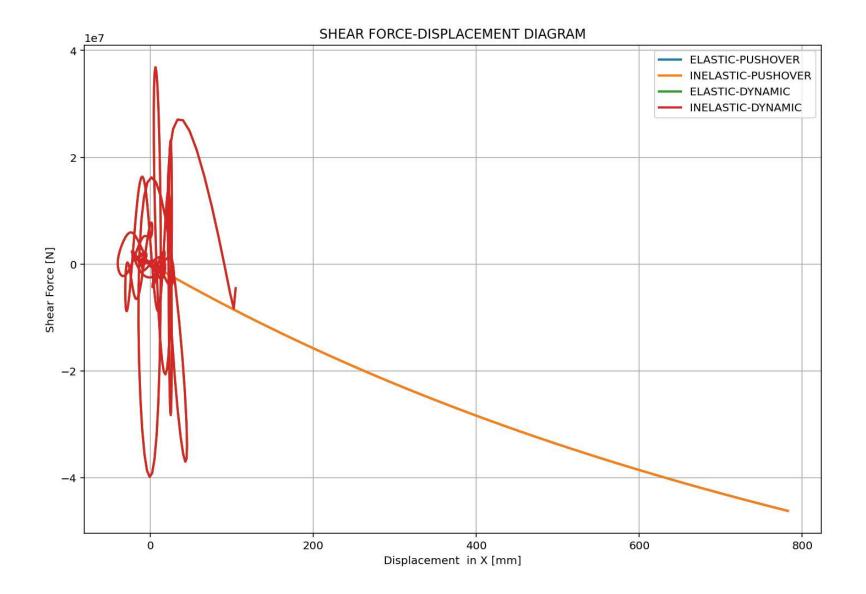


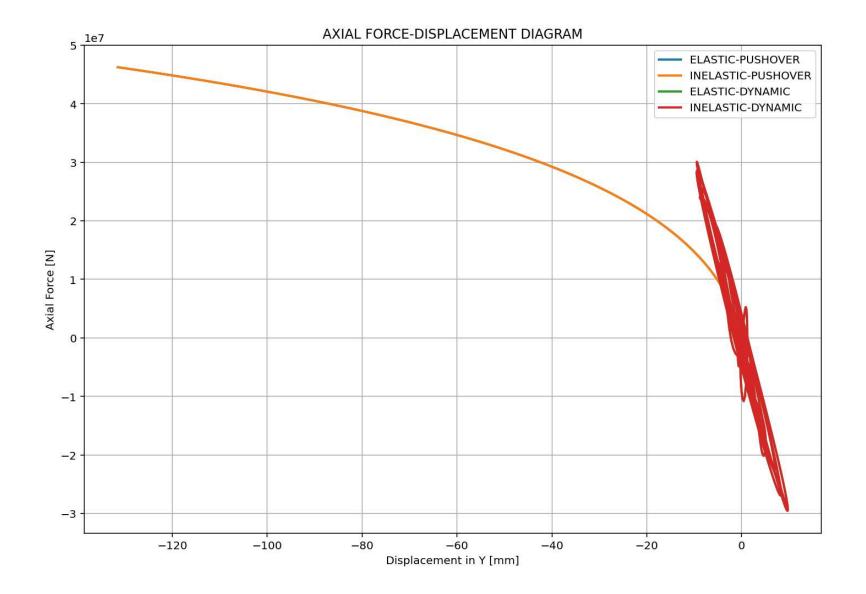
ELASTIC AND INELASTIC STATIC ANALYSIS (PUSHOVER)

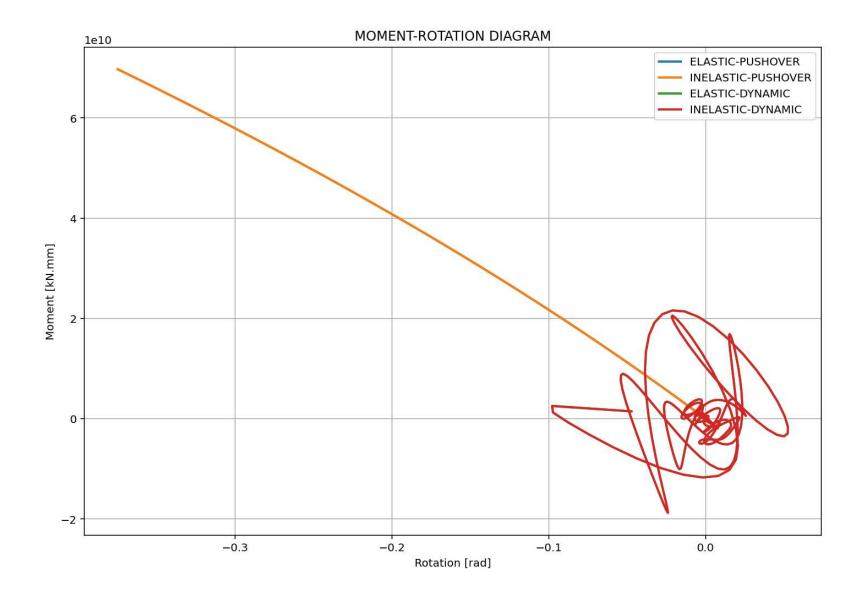




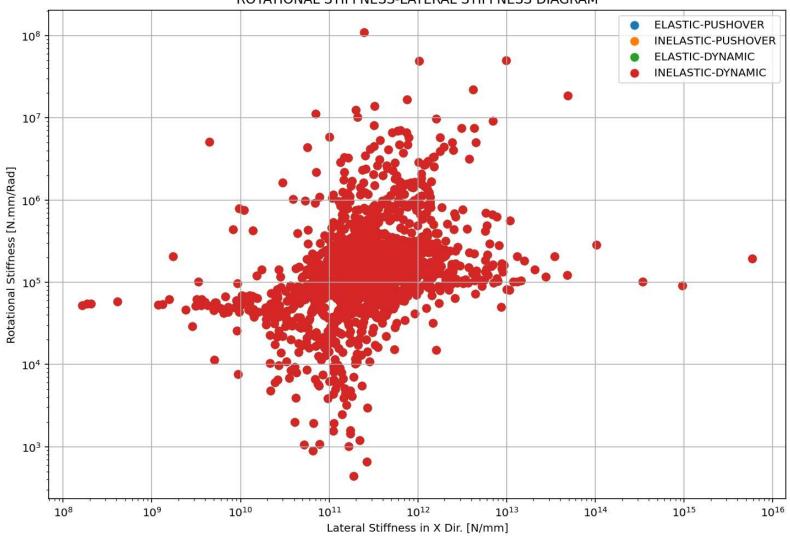


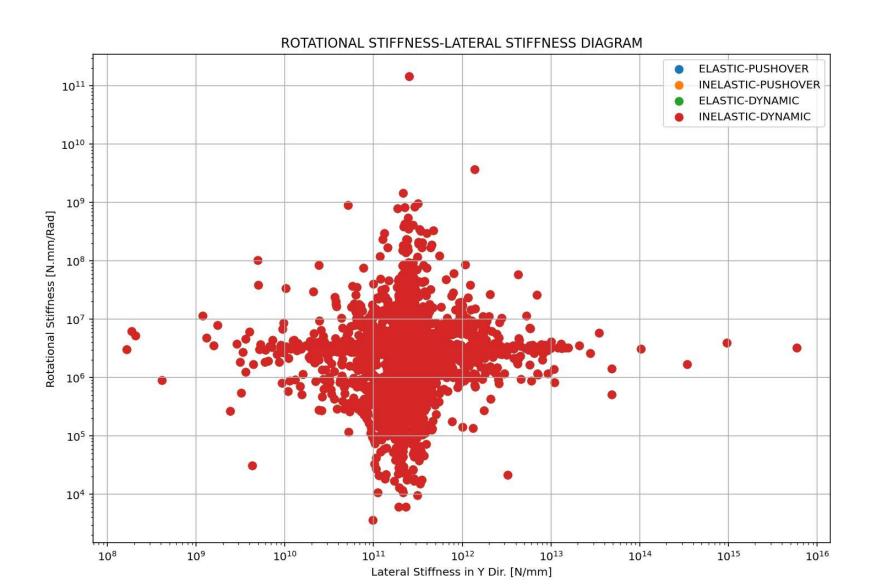


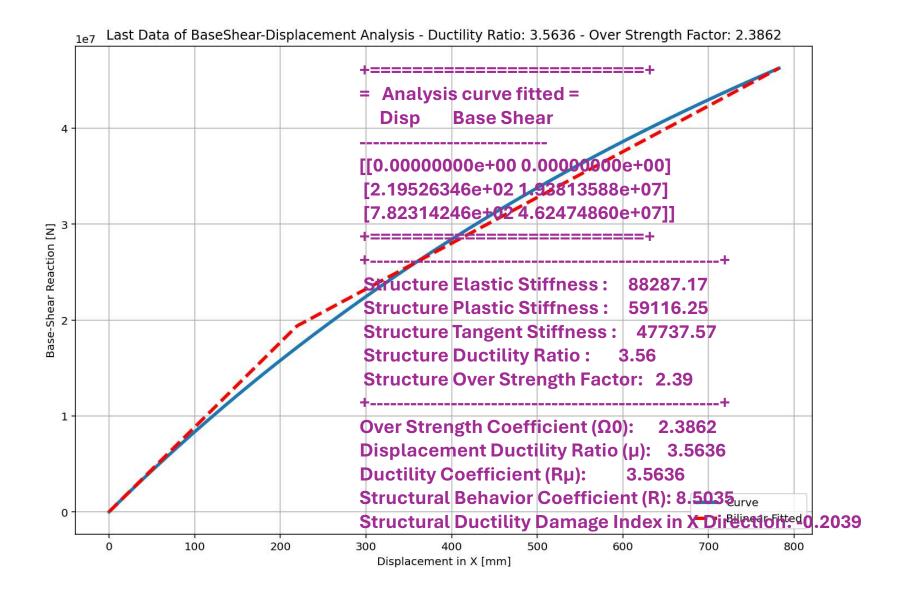


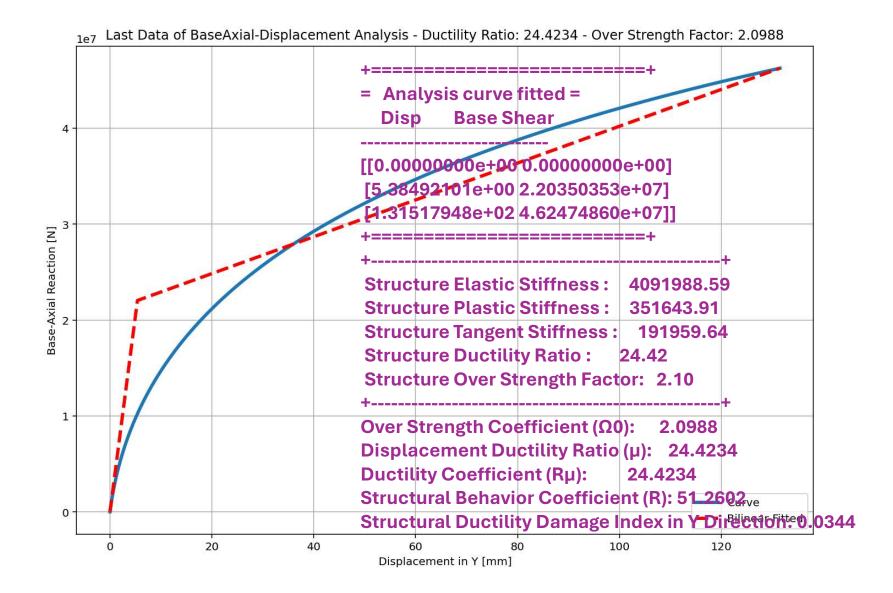


ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM

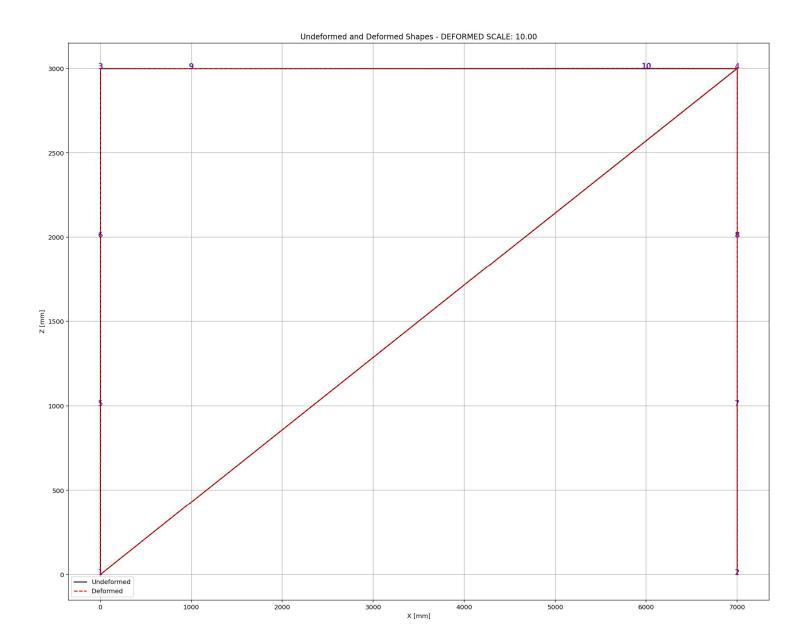


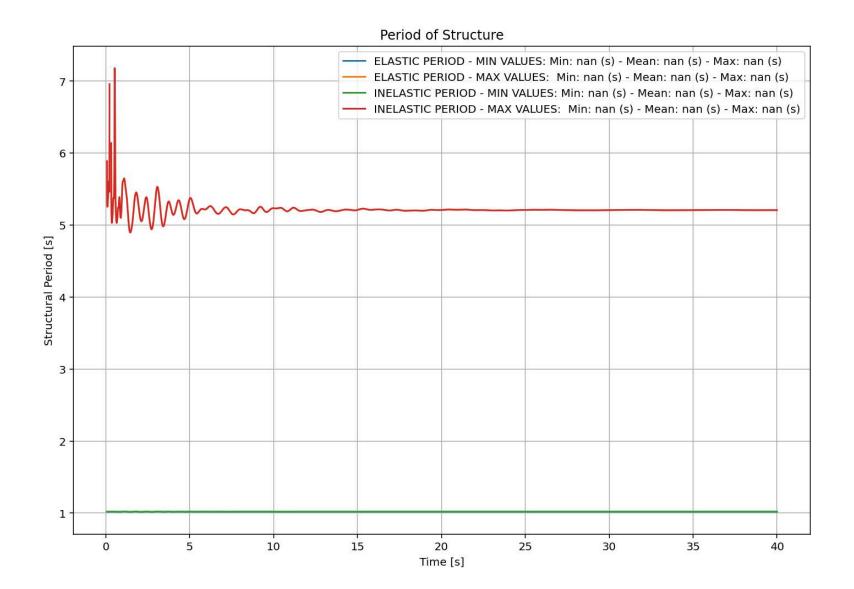


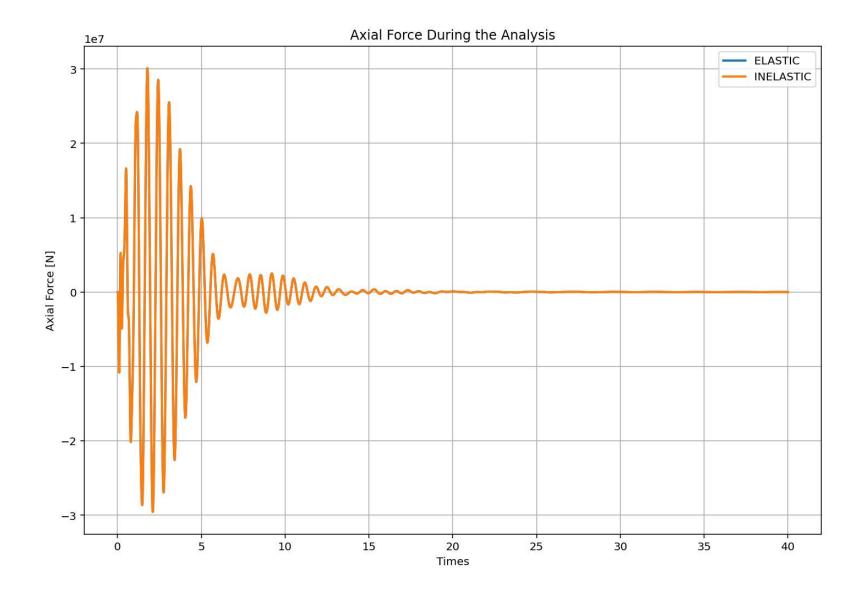


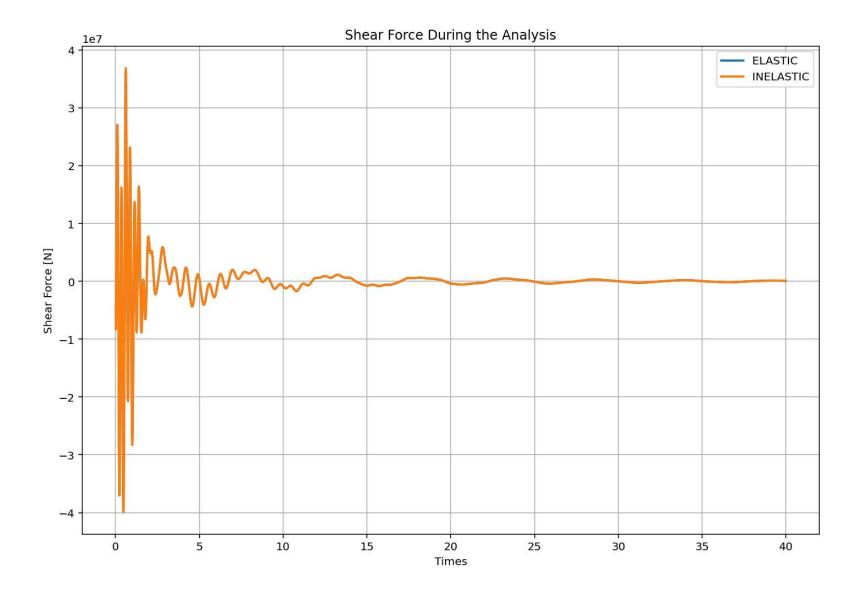


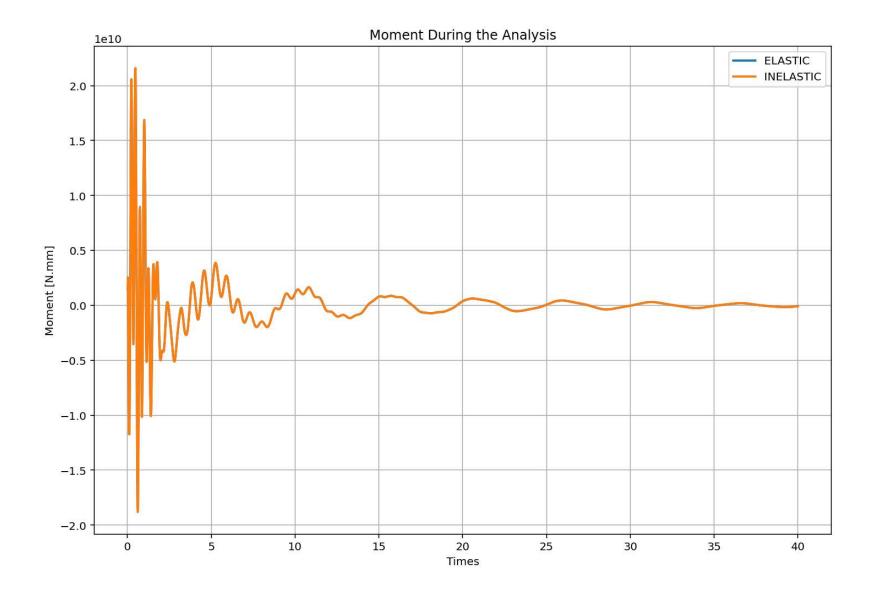
ELASTIC AND INELASTIC DYNAMIC ANALYSIS

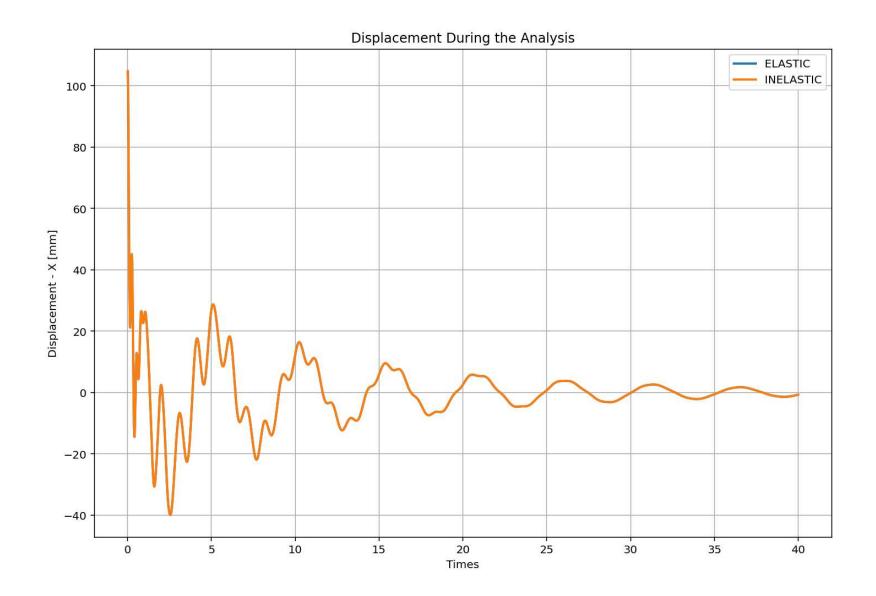


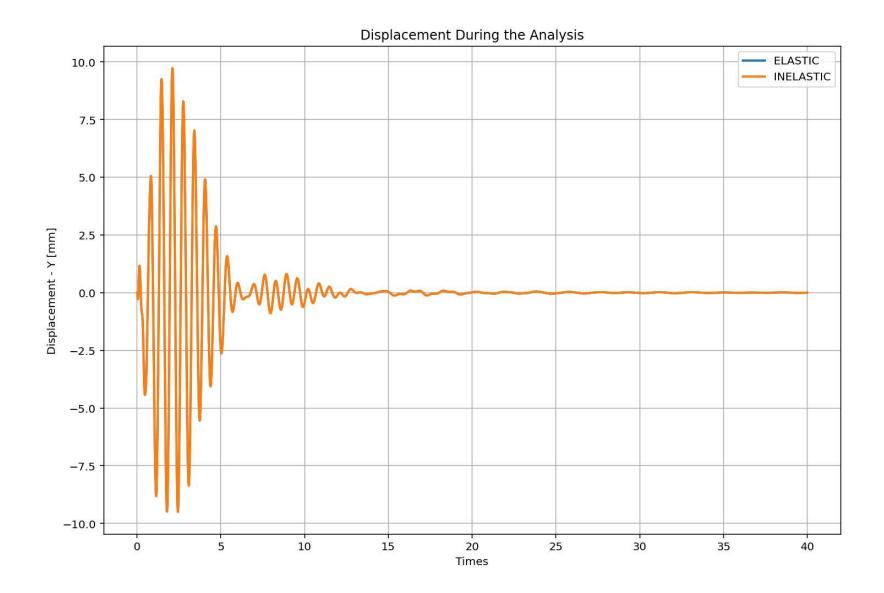


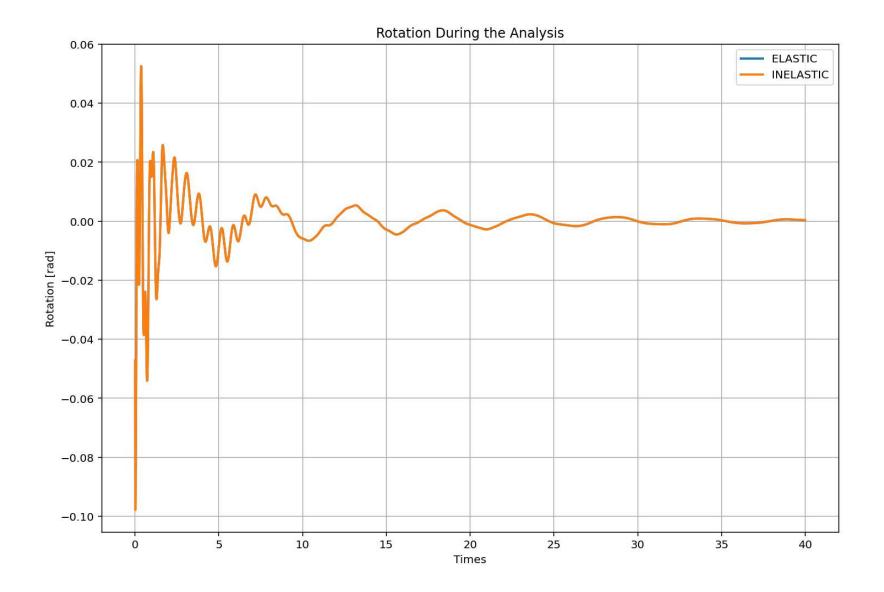


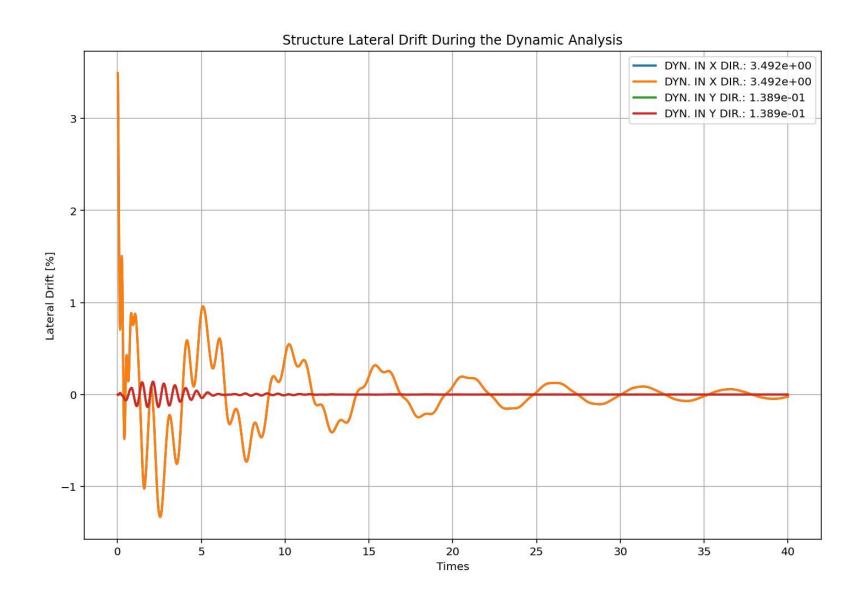


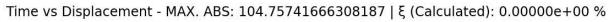


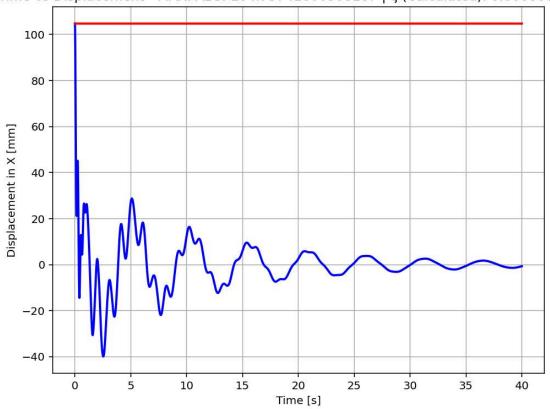


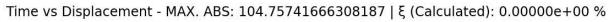


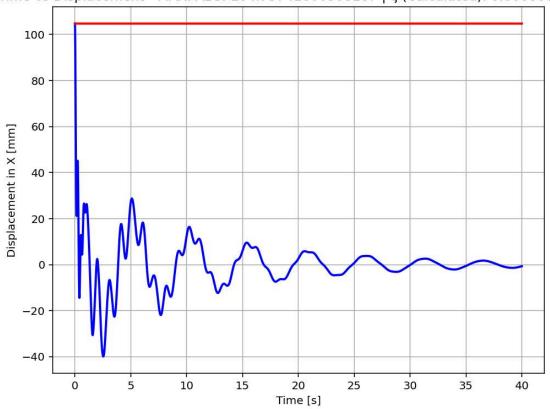


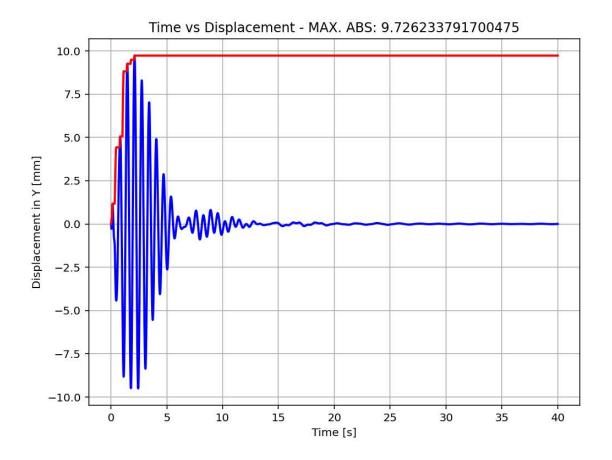


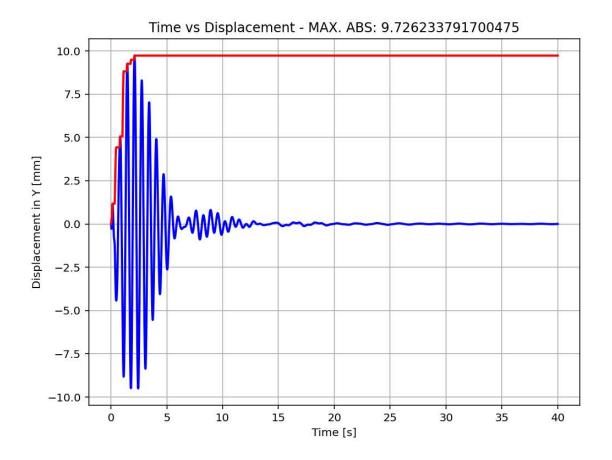


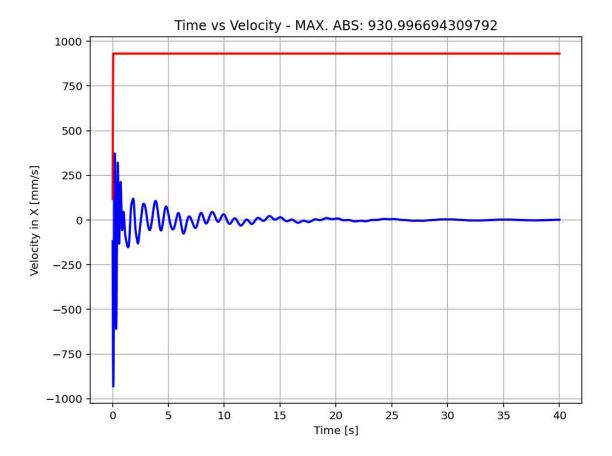


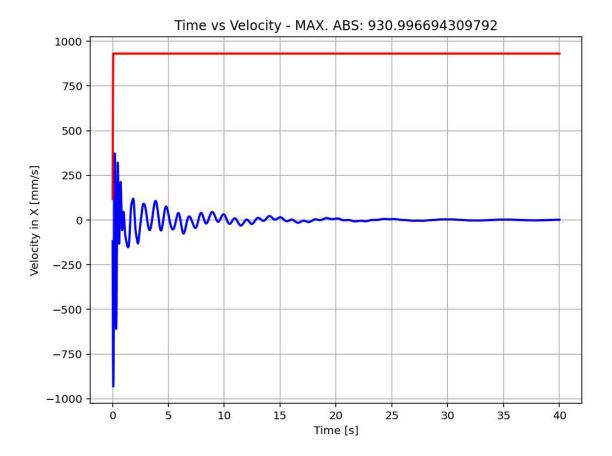


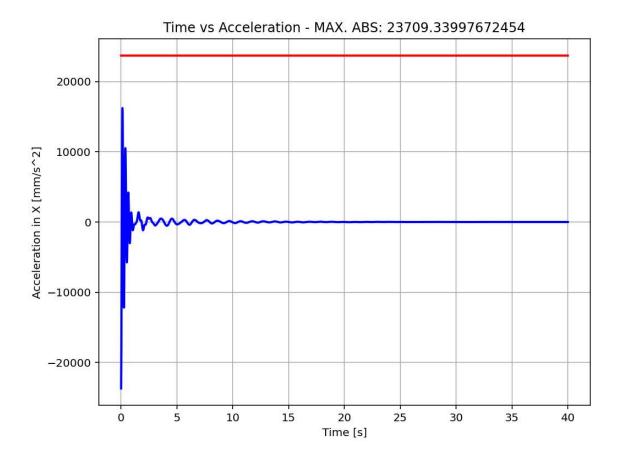


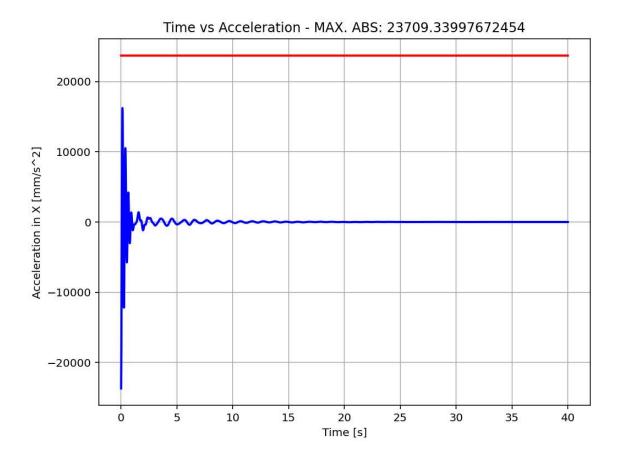




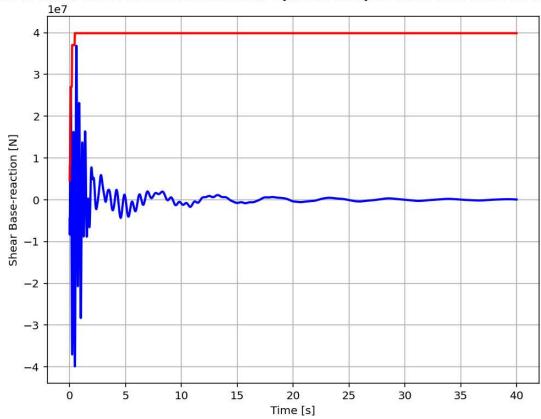








Time vs Shear Base-reaction from Inelastic Dynamic Analysis- MAX. ABS: 39882850.4321066



Time vs Shear Base-reaction from Inelastic Dynamic Analysis- MAX. ABS: 39882850.4321066

