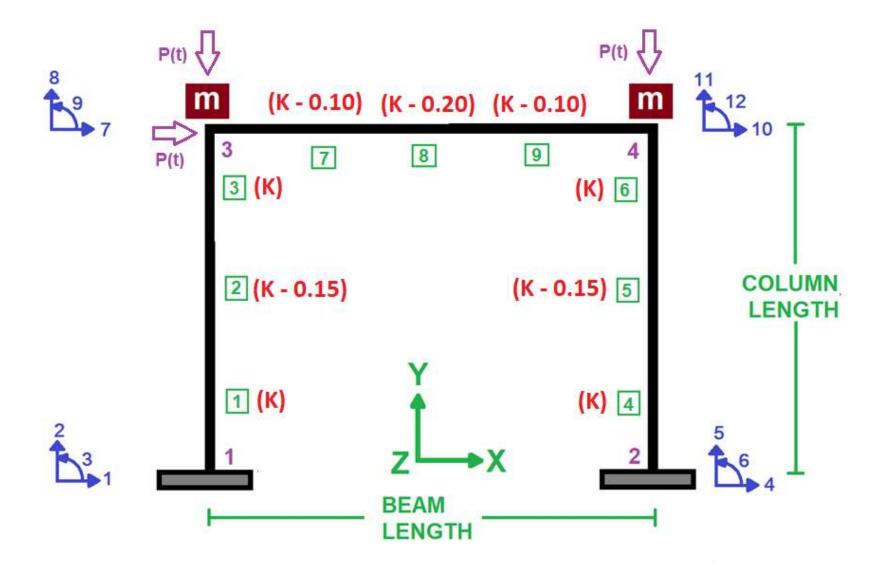
IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL

COMPARATIVE STUDY OF ELASTIC AND INELASTIC STRUCTURAL BEHAVIOR THROUGH PUSHOVER DYNAMIC ANALYSIS. HARMONIC IMPACT LOADING ANALYSIS OF CONCRETE FRAME USING OPENSEES

WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)





CORE AND COVER CONCRETE RELATION



WITHOUT HARDENING AND ULTIMATE STRAIN



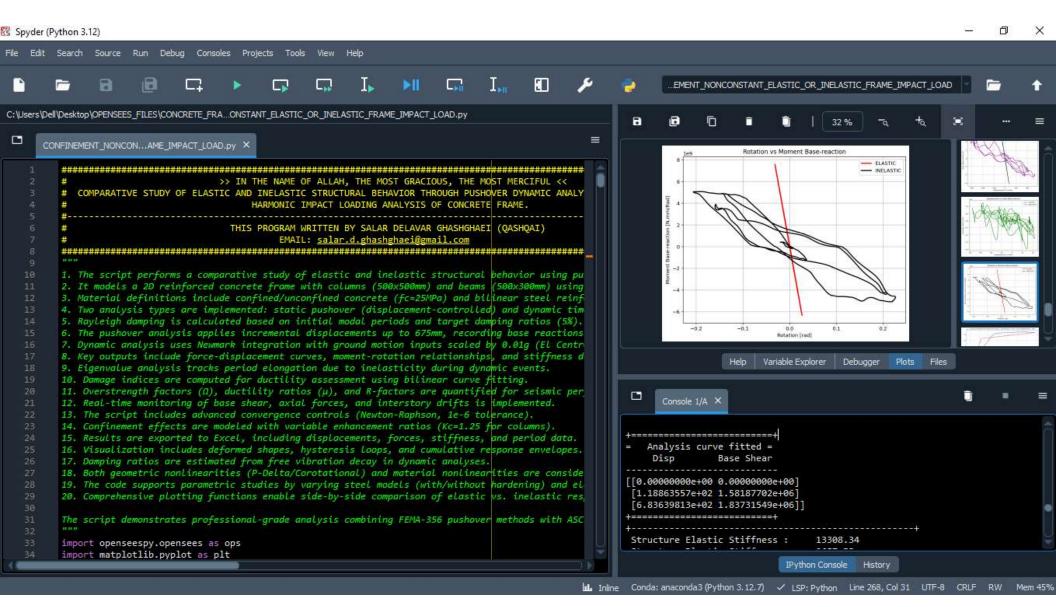
WITH HARDENING AND ULTIMATE STRAIN



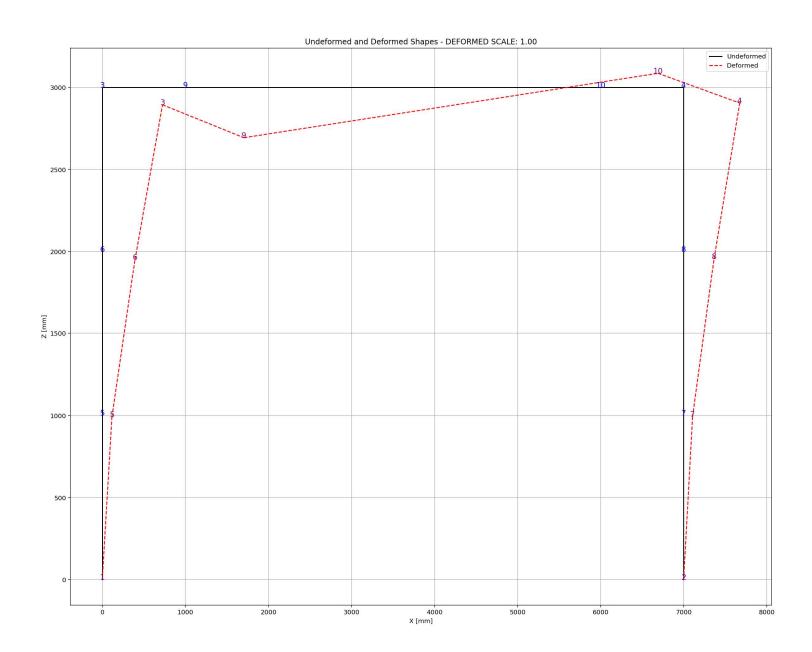
COLUMN SECTION

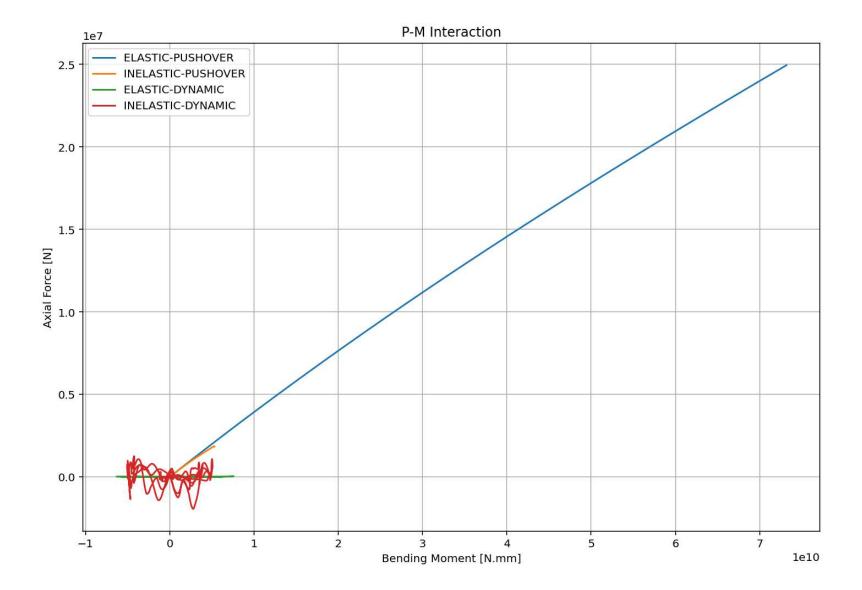


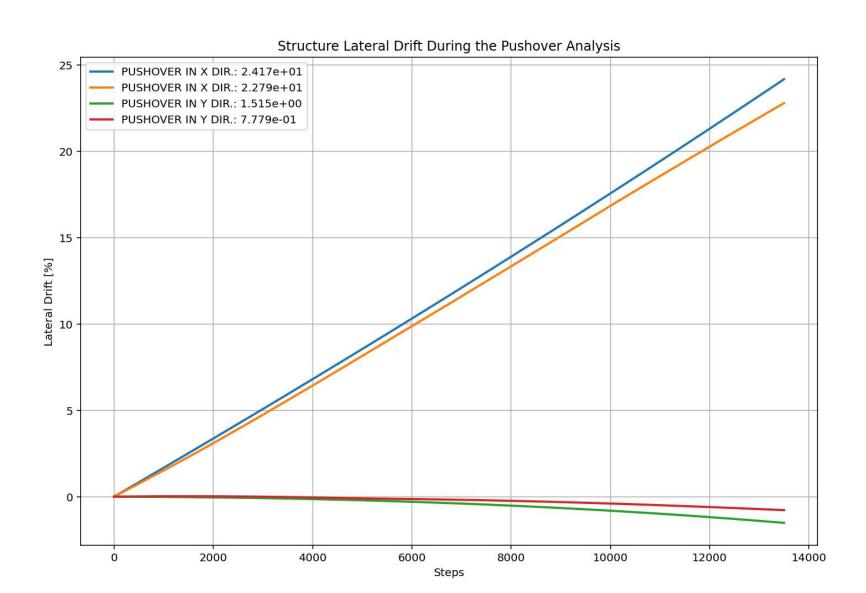
BEAM SECTION

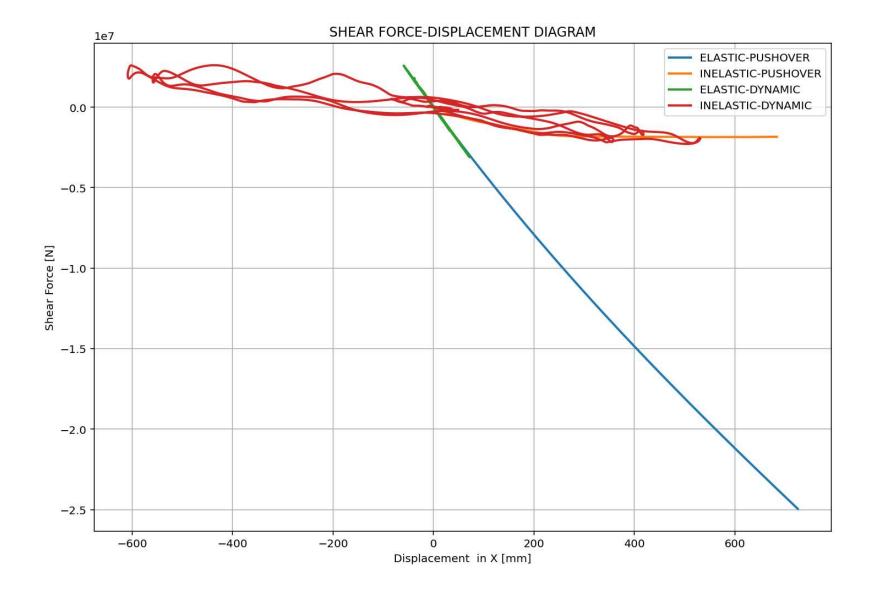


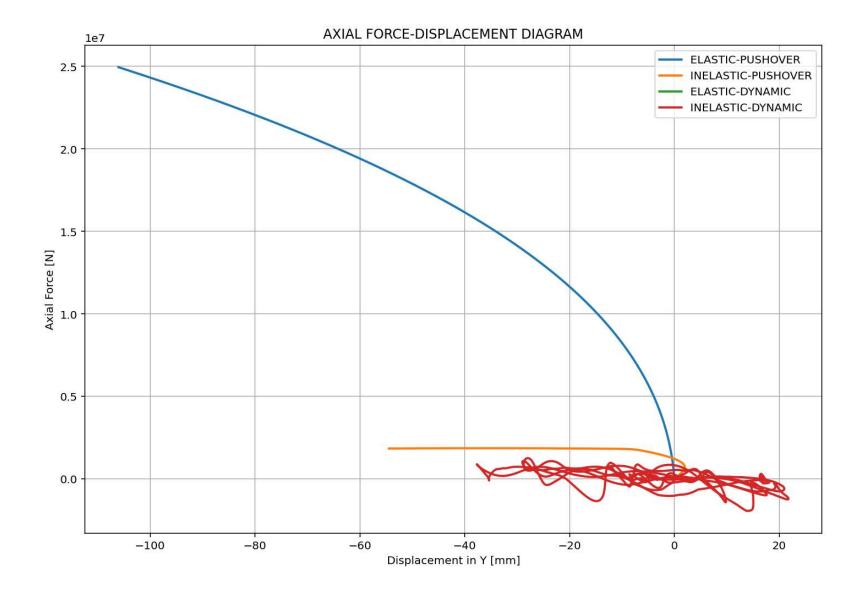
ELASTIC AND INELASTIC STATIC ANALYSIS (PUSHOVER)

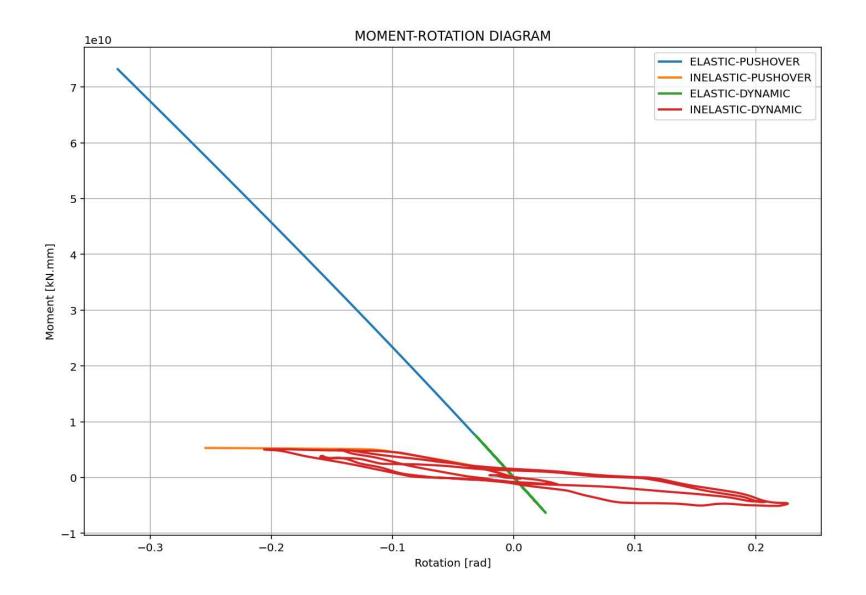


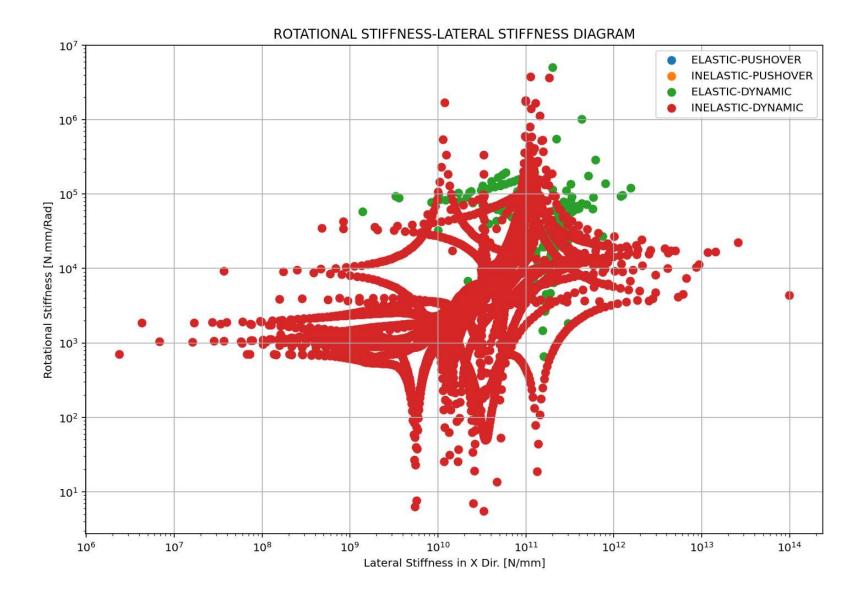




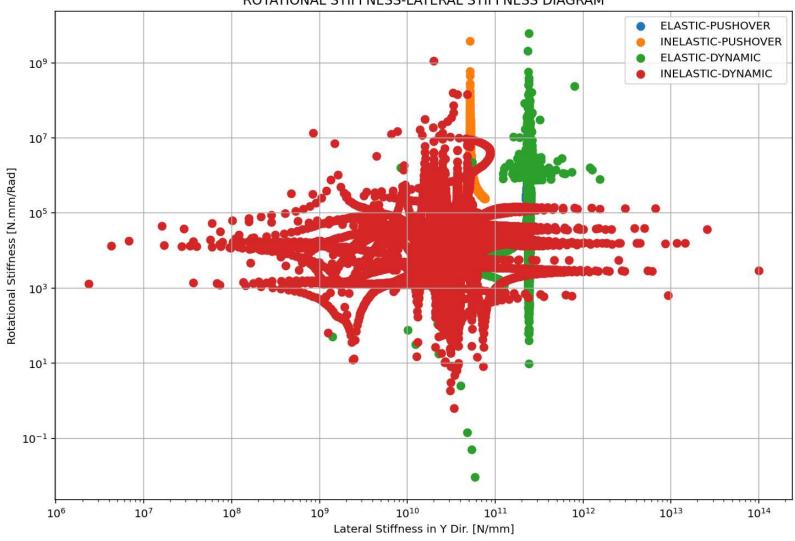


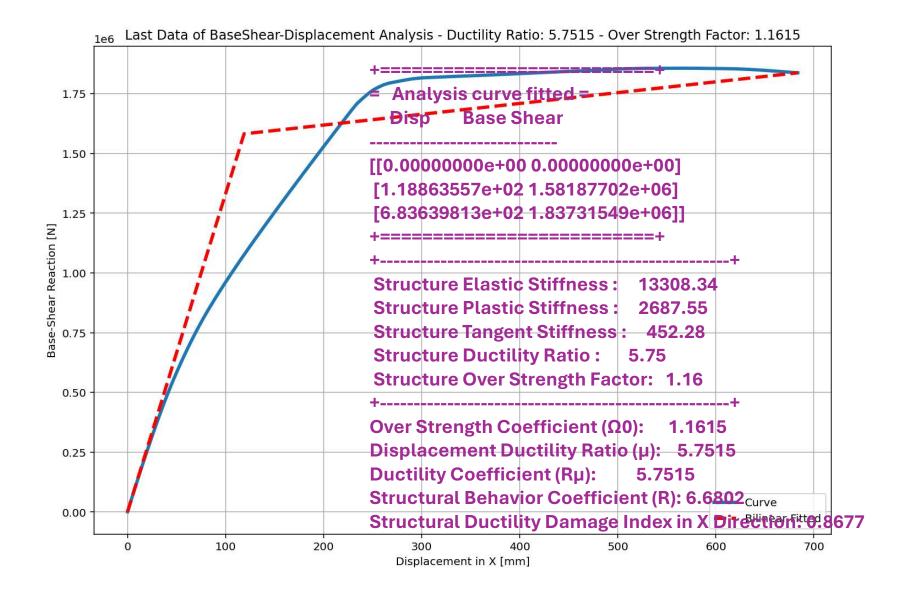


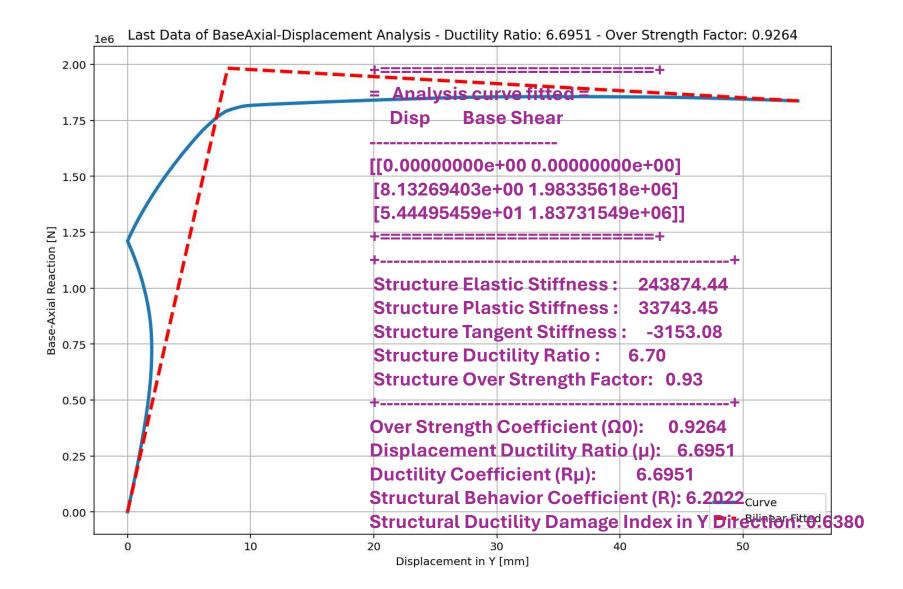




ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM







ELASTIC AND INELASTIC DYNAMIC ANALYSIS

