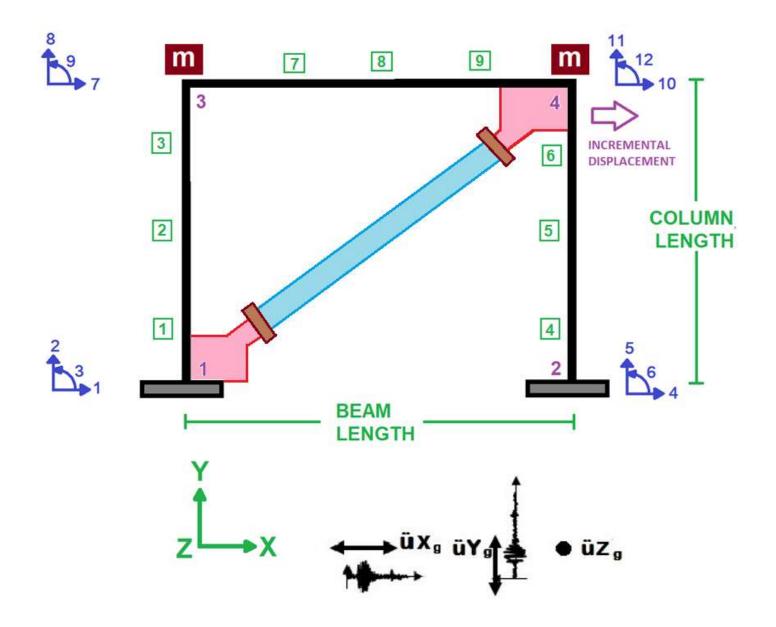
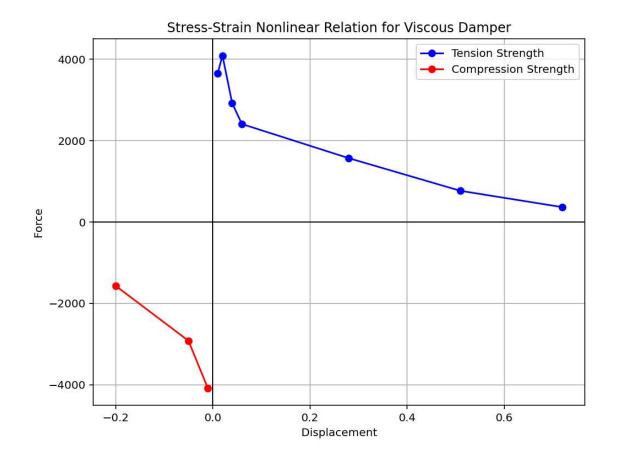
IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL

ASSESSMENTS OF THE STRUCTURAL DUCTILITY DAMAGE INDEX WITH DIFFERENT CONFINEMENT ENHANCEMENT RATIO OF CONCRETE FRAME WITH VISCOUS DAMPER USING OPENSEES

WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)







CORE AND COVER CONCRETE RELATION



WITHOUT HARDENING AND ULTIMATE STRAIN



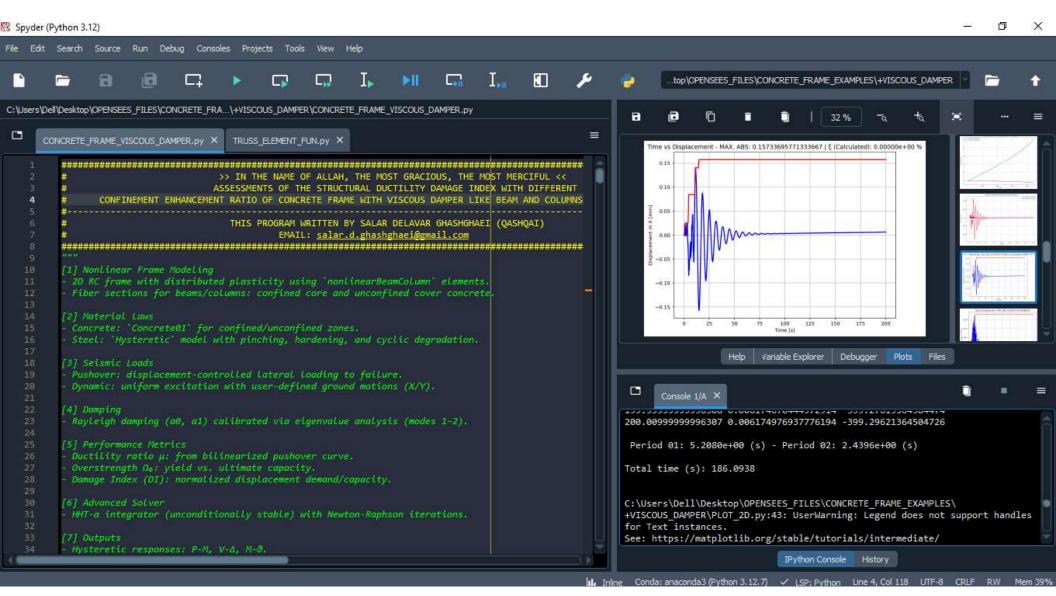
WITH HARDENING AND ULTIMATE STRAIN



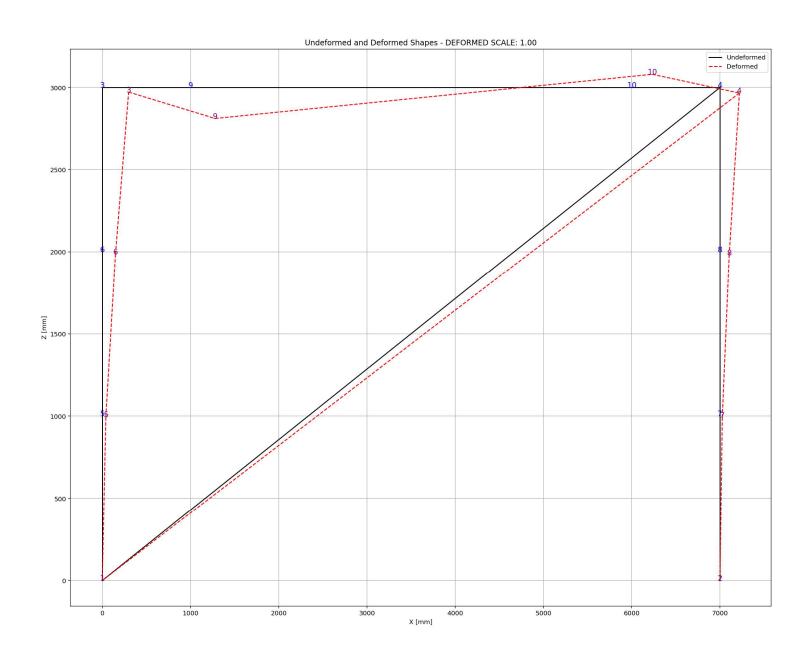
COLUMN SECTION

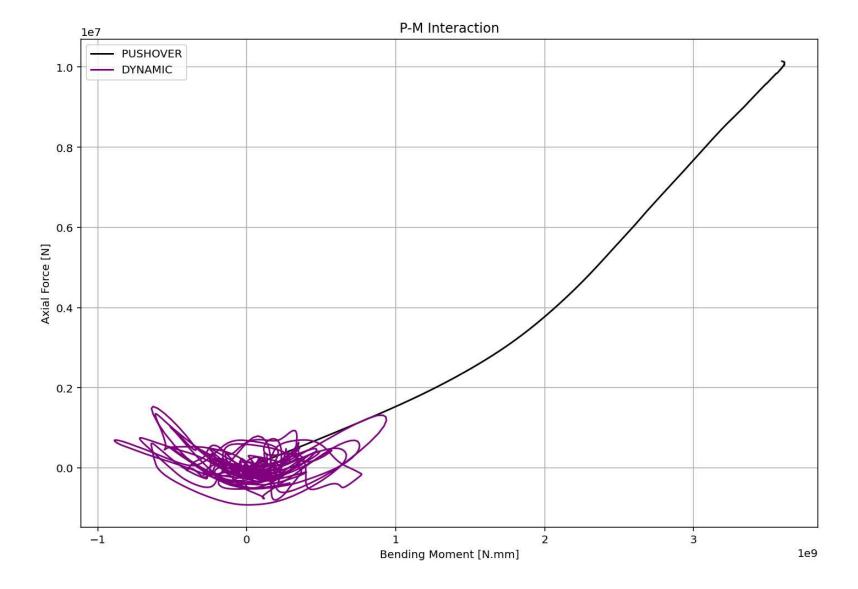


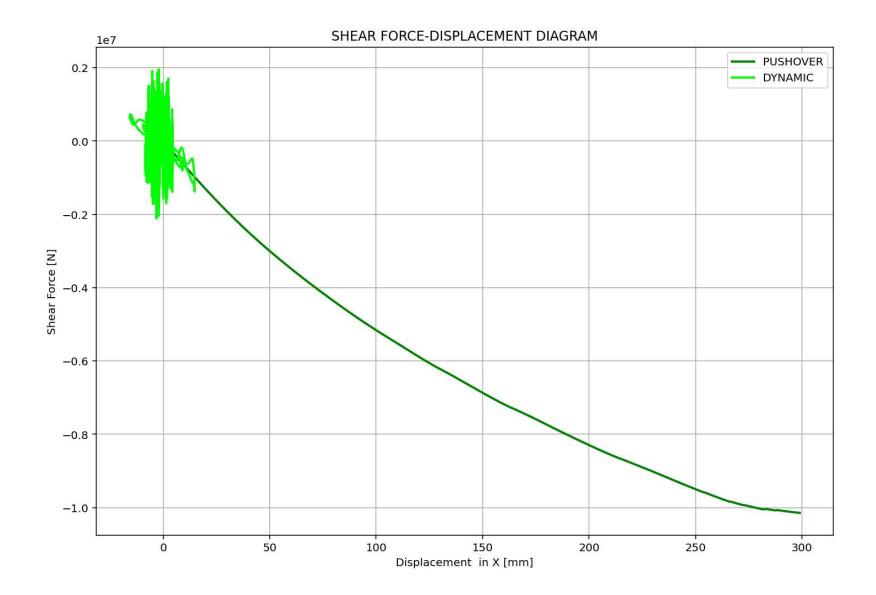
BEAM SECTION

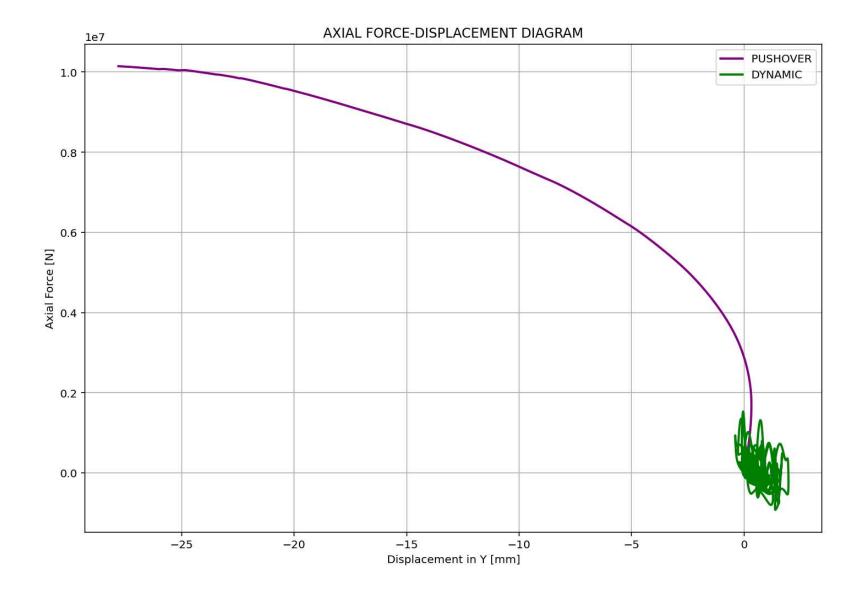


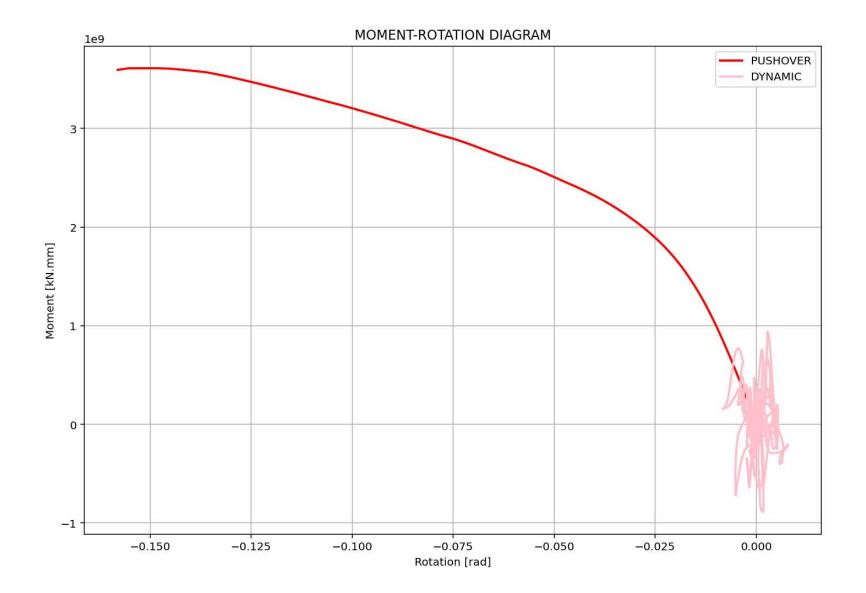
NONLINEAR STATIC ANALYSIS (PUSHOVER)



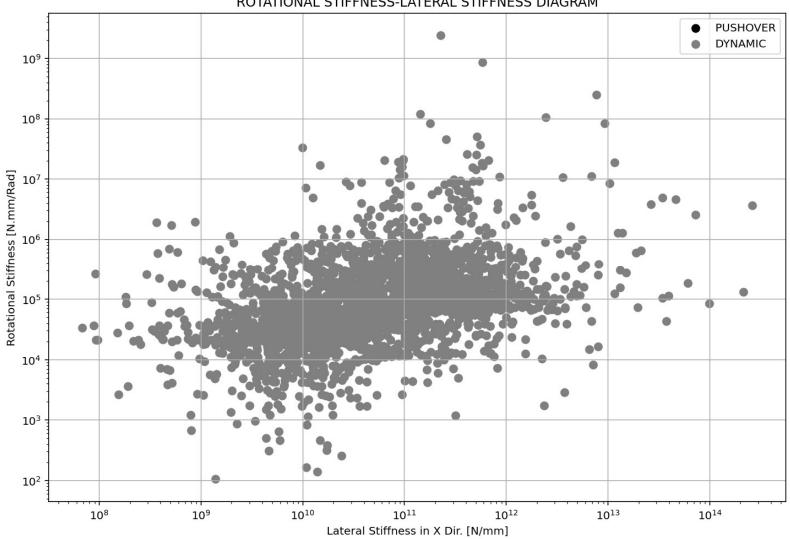




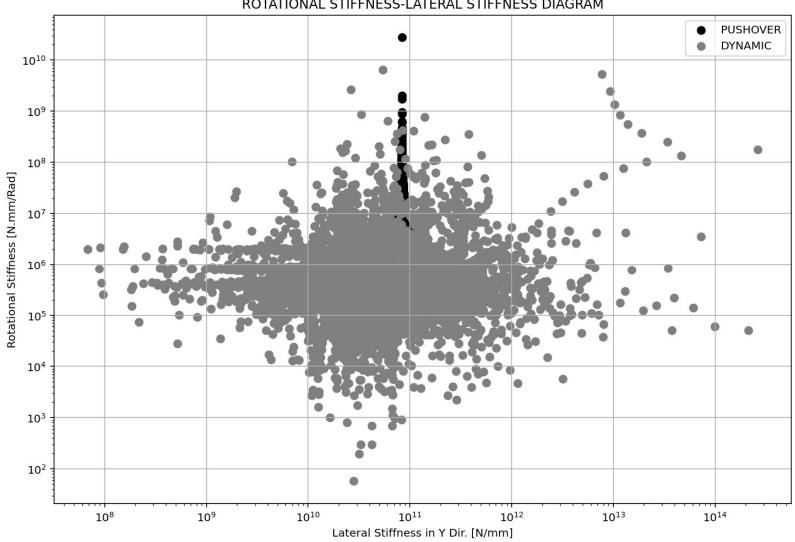


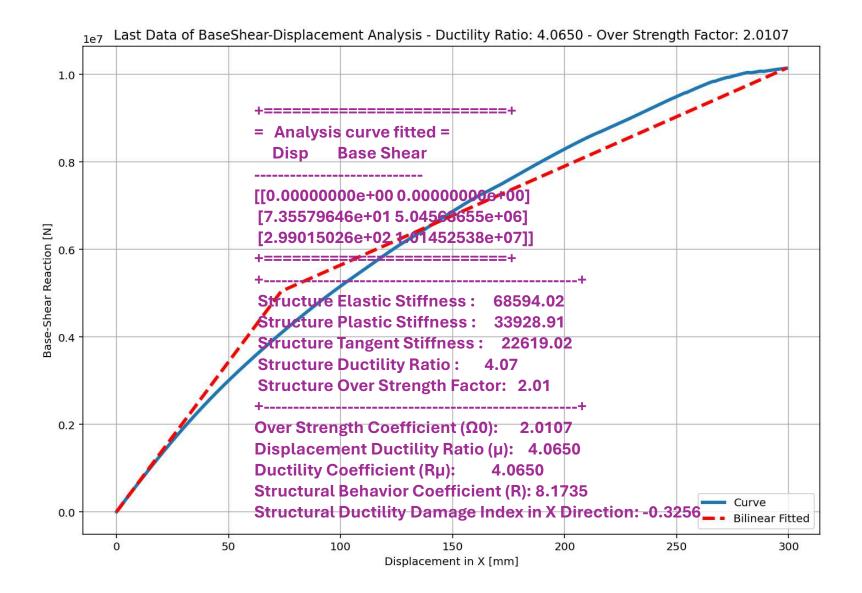


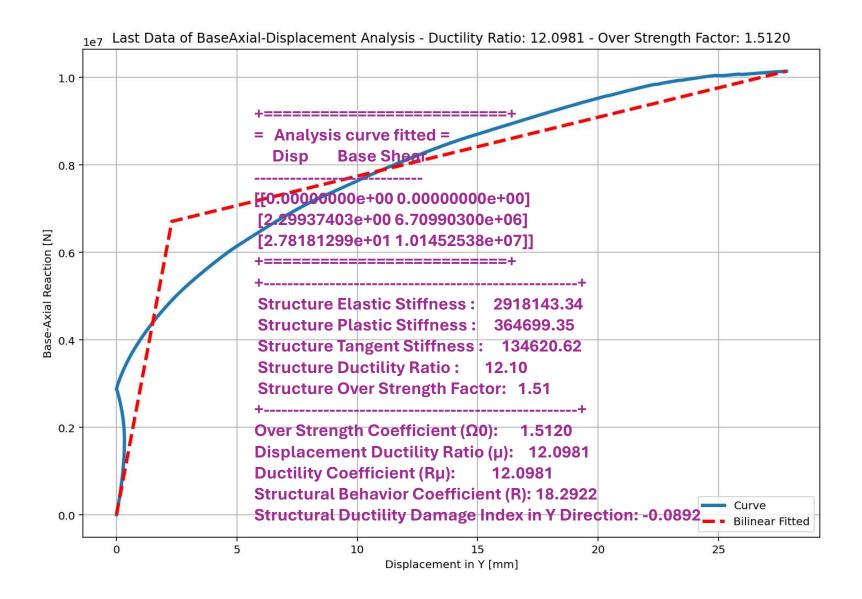
ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM

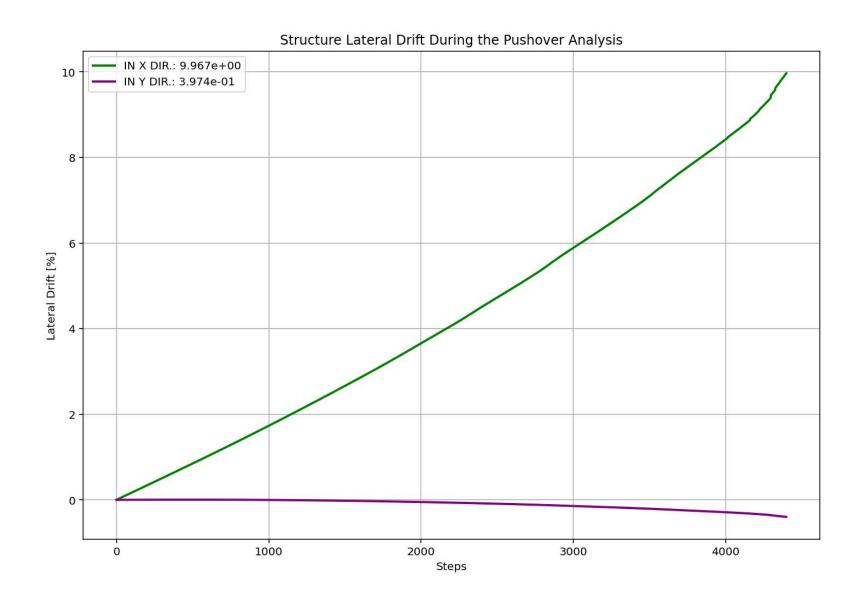


ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM

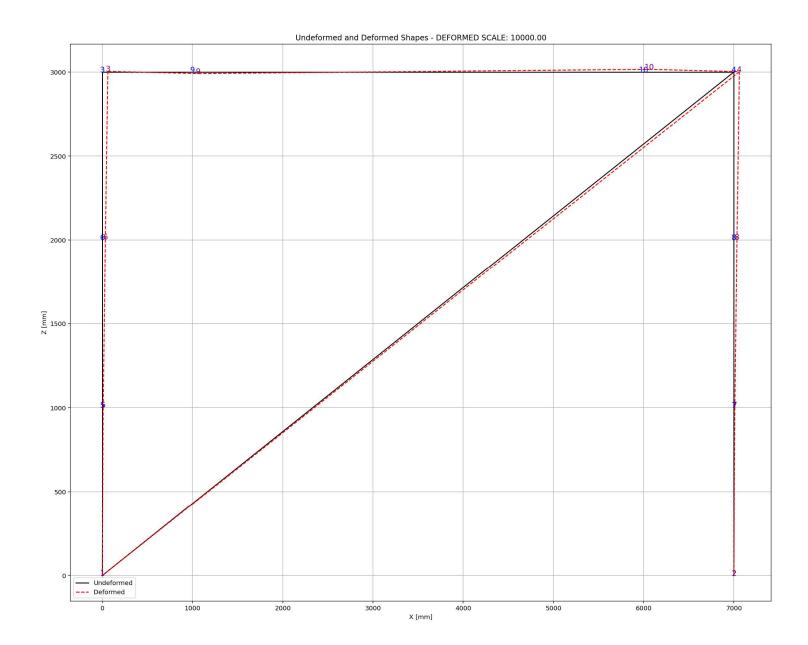


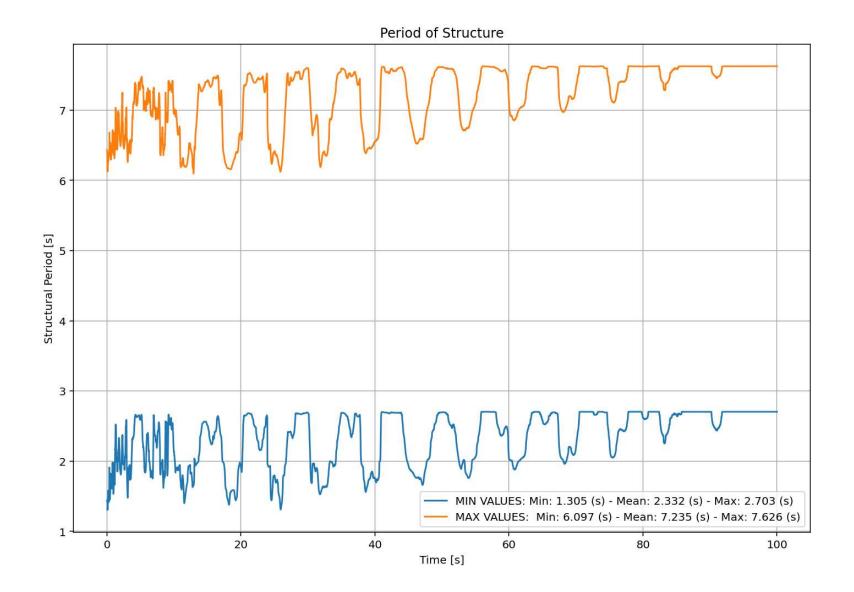


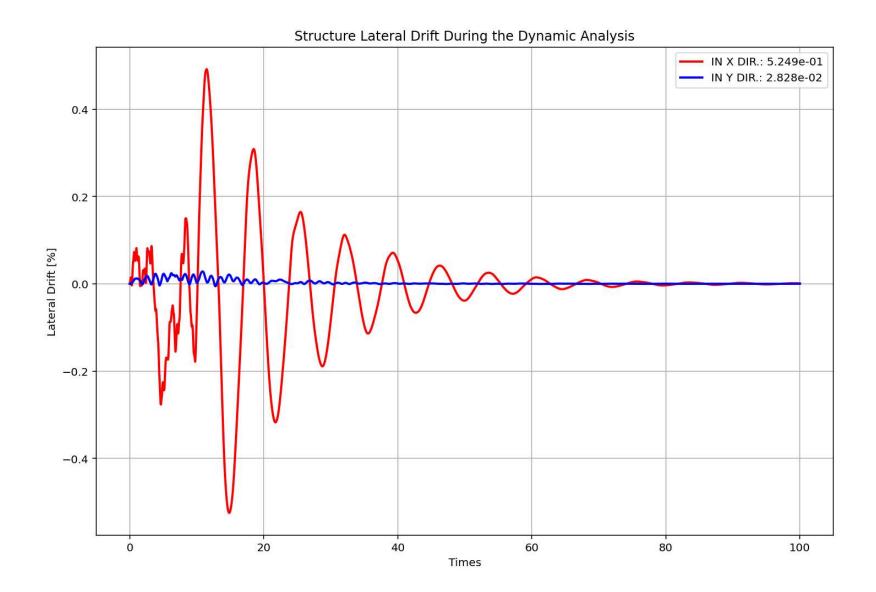




NONLINEAR DYNAMIC ANALYSIS







Time vs Displacement - MAX. ABS: 15.746140524135297 | ξ (Calculated): 0.00000e+00 %

