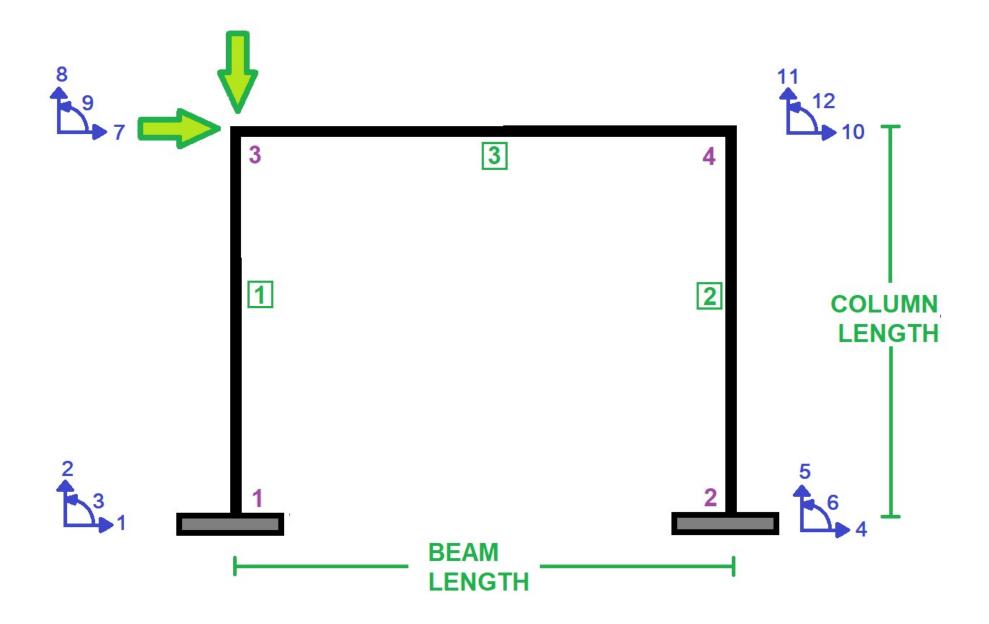
>> IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL <<

SENSITIVITY ANALYSIS OF CONCRETE FRAME BY CHANGING COLUMN REBAR DIAMETER AND COLUMN SECTION DEPTH USING OPENSEES FOR STRUCTURAL BEHAVIOR COEFFICIENT CALCULATION.

BY SALAR DELAVAR GHASHGHAEI (QASHQAI)





CORE AND COVER CONCRETE RELATION



WITHOUT HARDENING AND ULTIMATE STRAIN



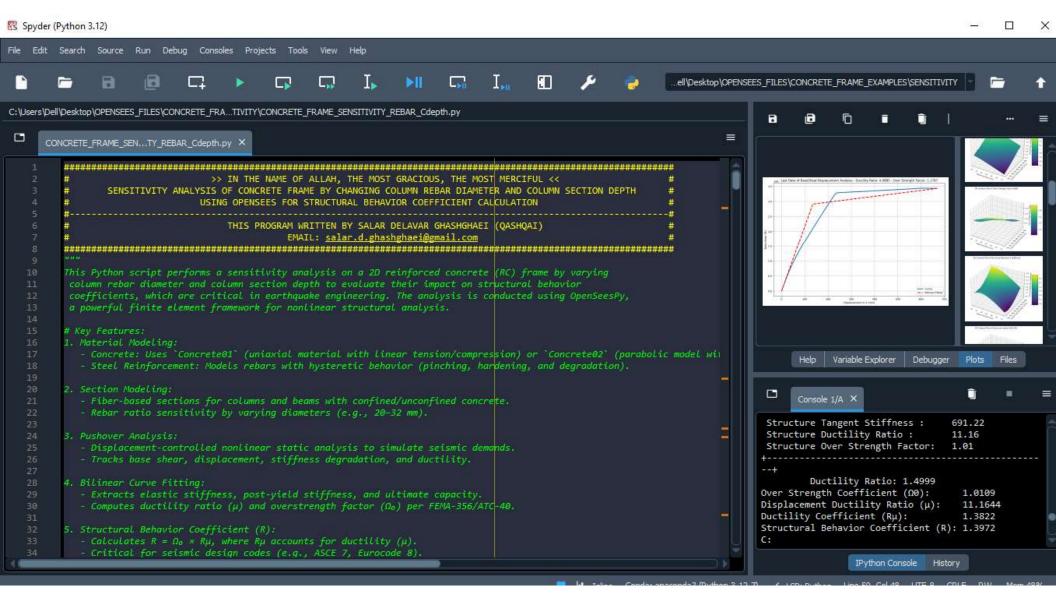
WITH HARDENING AND ULTIMATE STRAIN

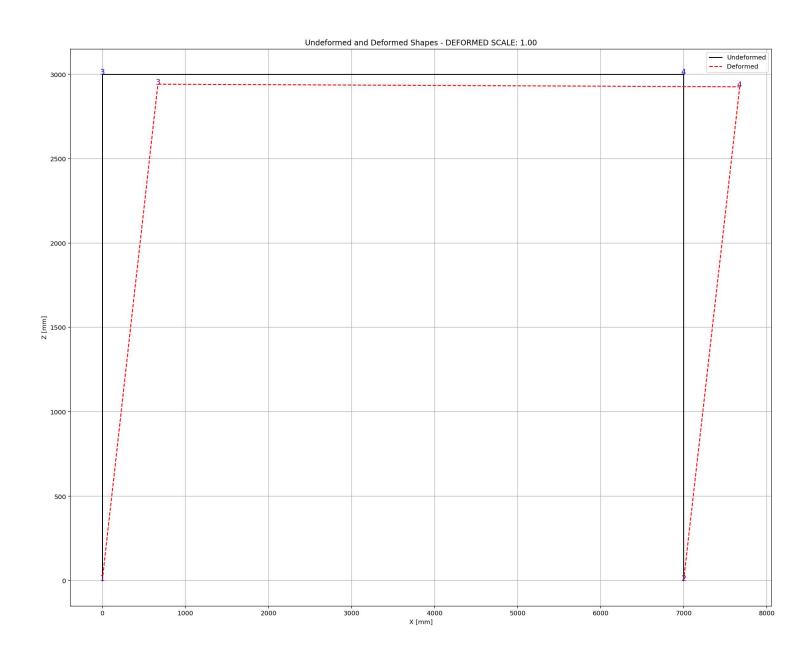


COLUMN SECTION

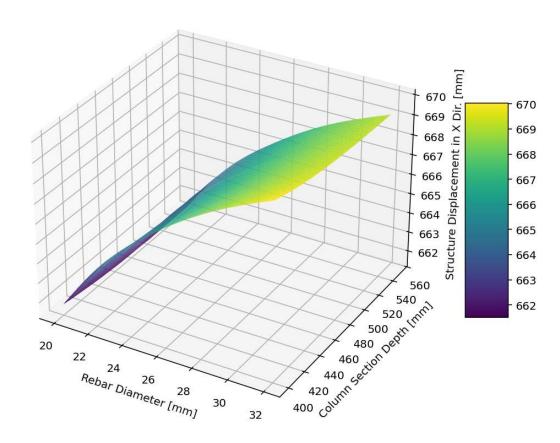


BEAM SECTION

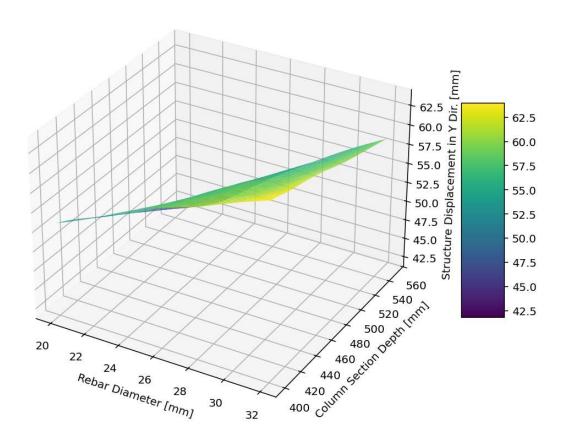




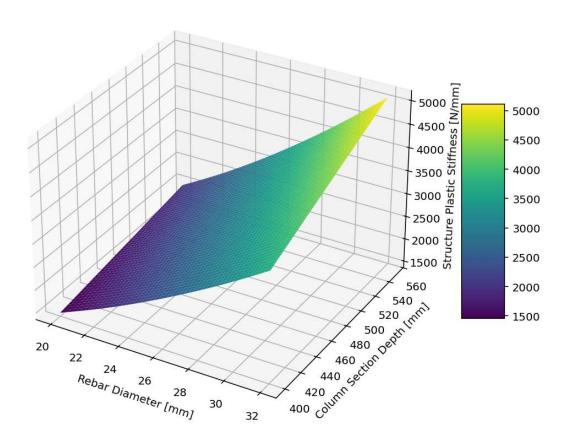
3D Contour Plot of Structure Displacement in X Dir. [mm]



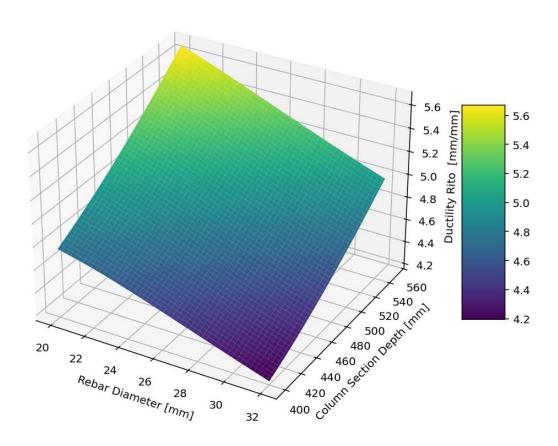
3D Contour Plot of Structure Displacement in Y Dir. [mm]



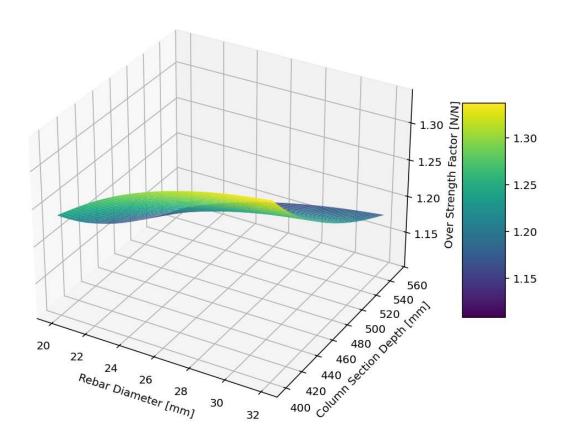
3D Contour Plot of Structure Plastic Stiffness [N/mm]



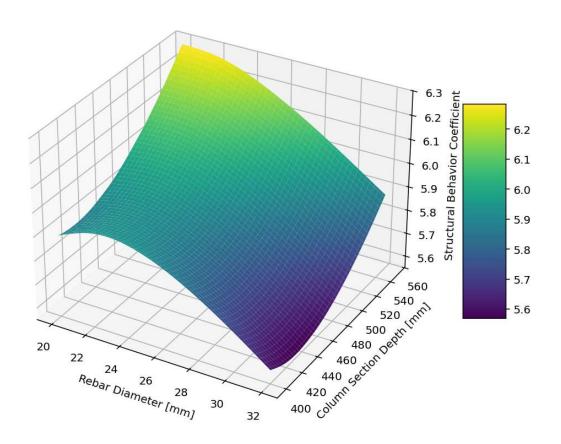
3D Contour Plot of Ductility Rito [mm/mm]



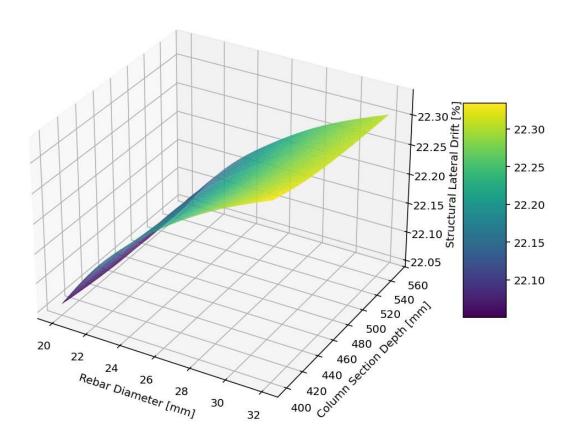
3D Contour Plot of Over Strength Factor [N/N]

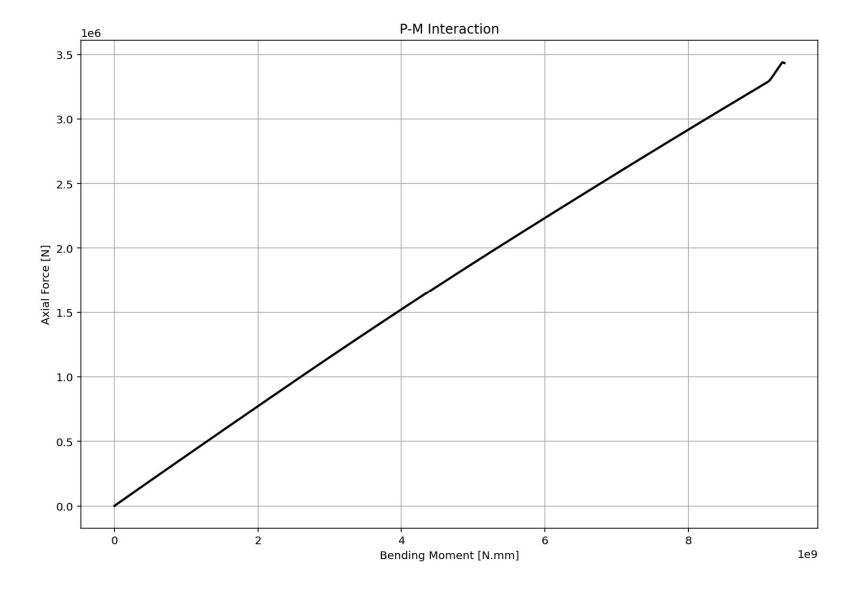


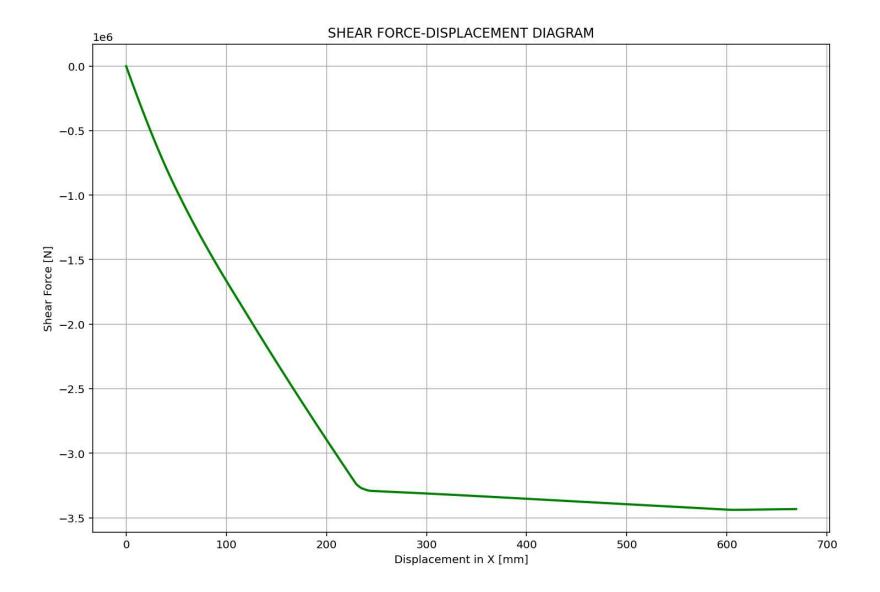
3D Contour Plot of Structural Behavior Coefficient

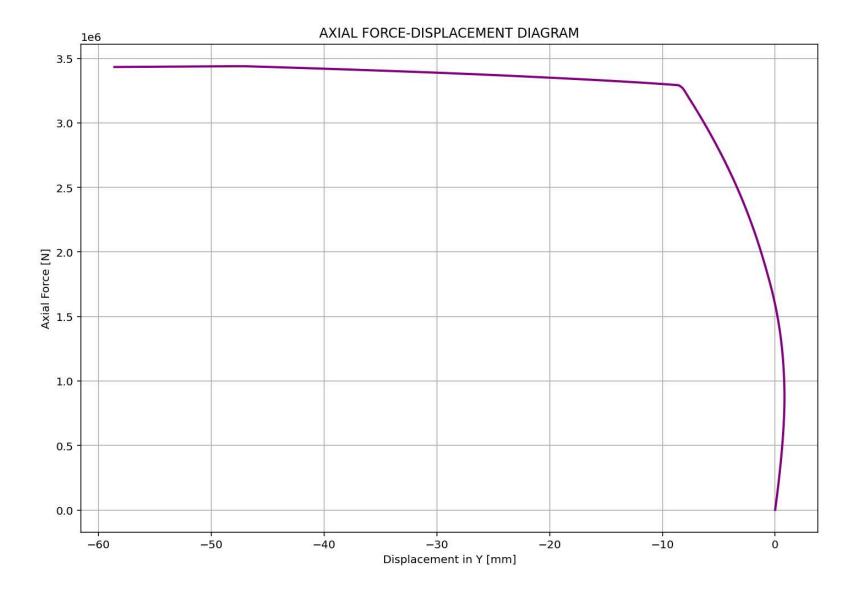


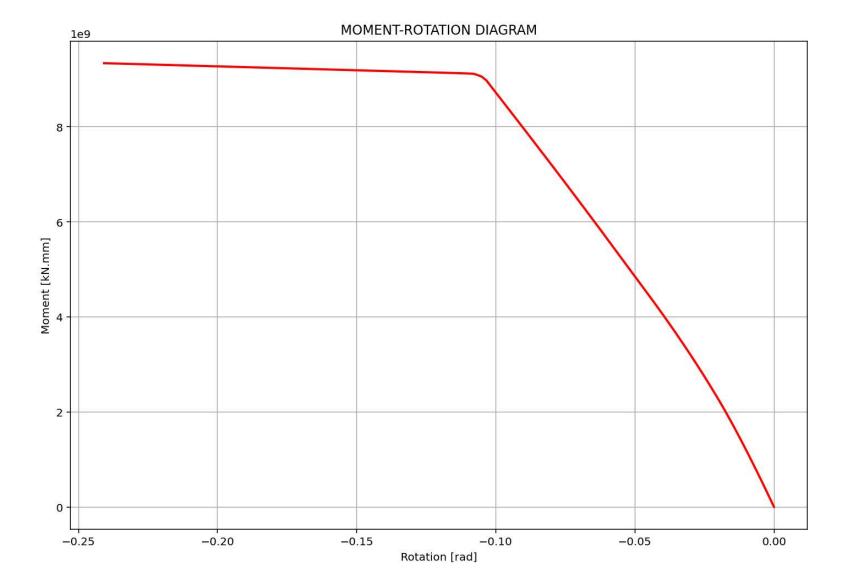
3D Contour Plot of Structural Lateral Drift [%]











ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM (X Dir)

