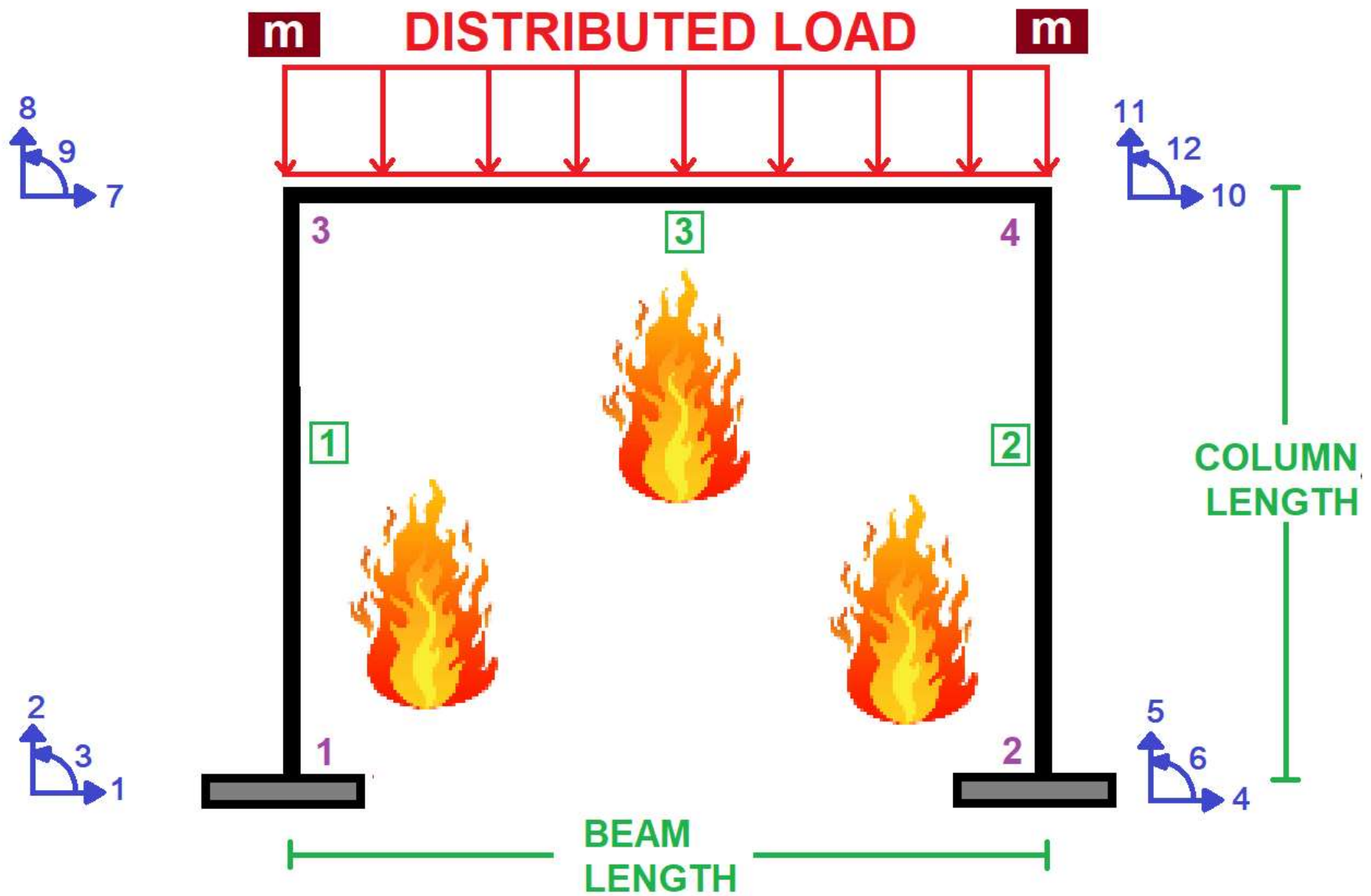
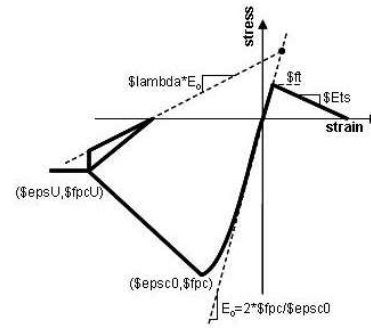


IN THE NAME OF ALLAH, THE MOST GRACIOUS, THE MOST MERCIFUL

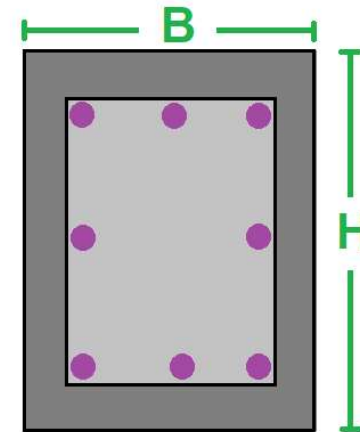
THERMAL ANALYSIS OF CONCRETE FRAME USING OPENSEES. EVALUATION OF THE STRUCTURAL PERIOD DURING THERMAL LOAD APPLIED TO ALL ELEMENTS

WRITTEN BY SALAR DELAVAR GHASHGHAEI (QASHQAI)

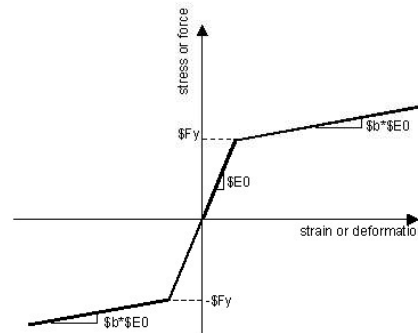




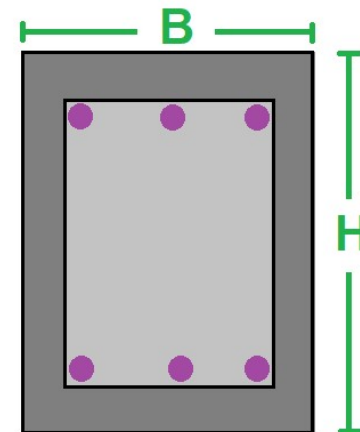
Concrete02 Thermal Material - Linear Tension Softening



COLUMN SECTION

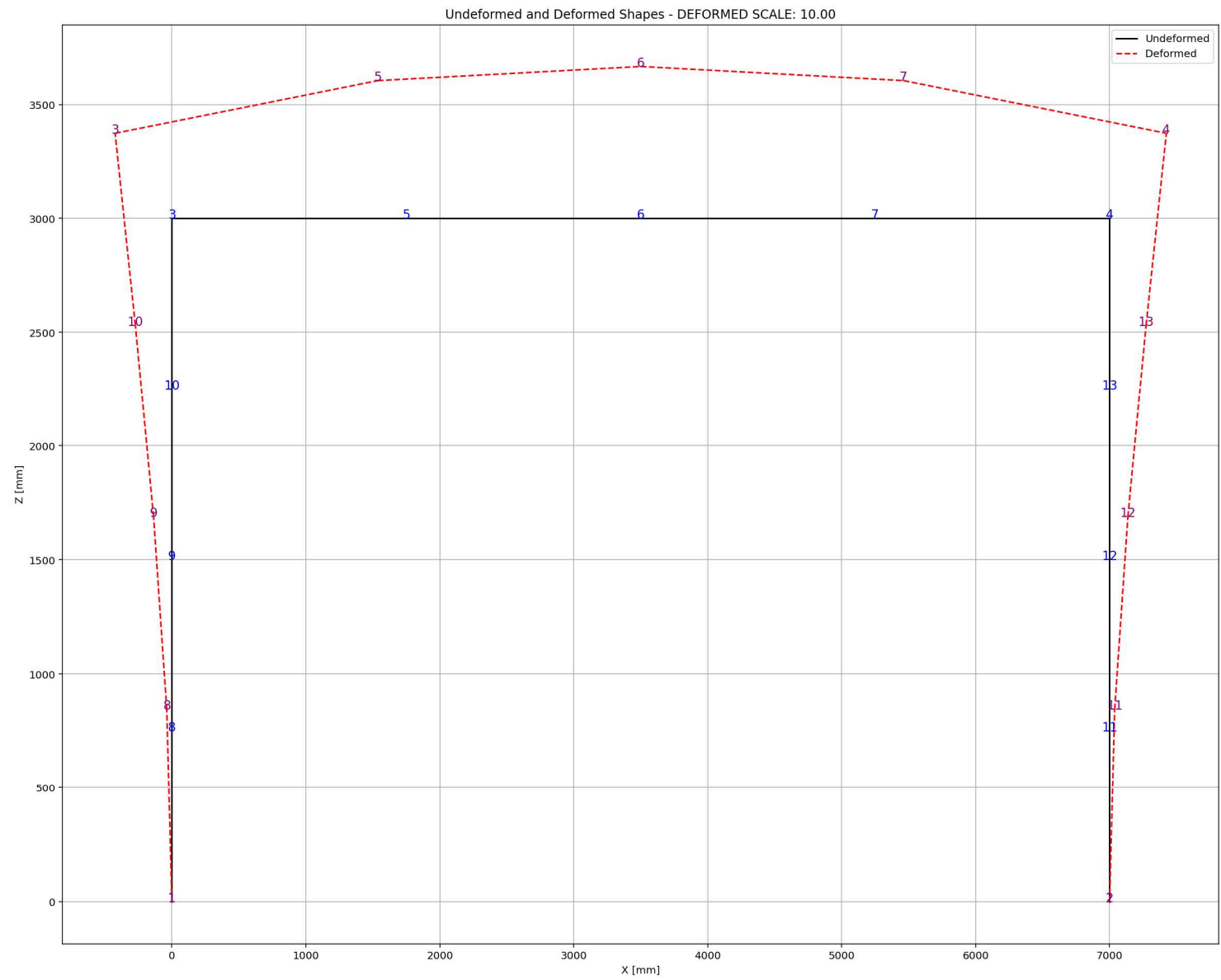


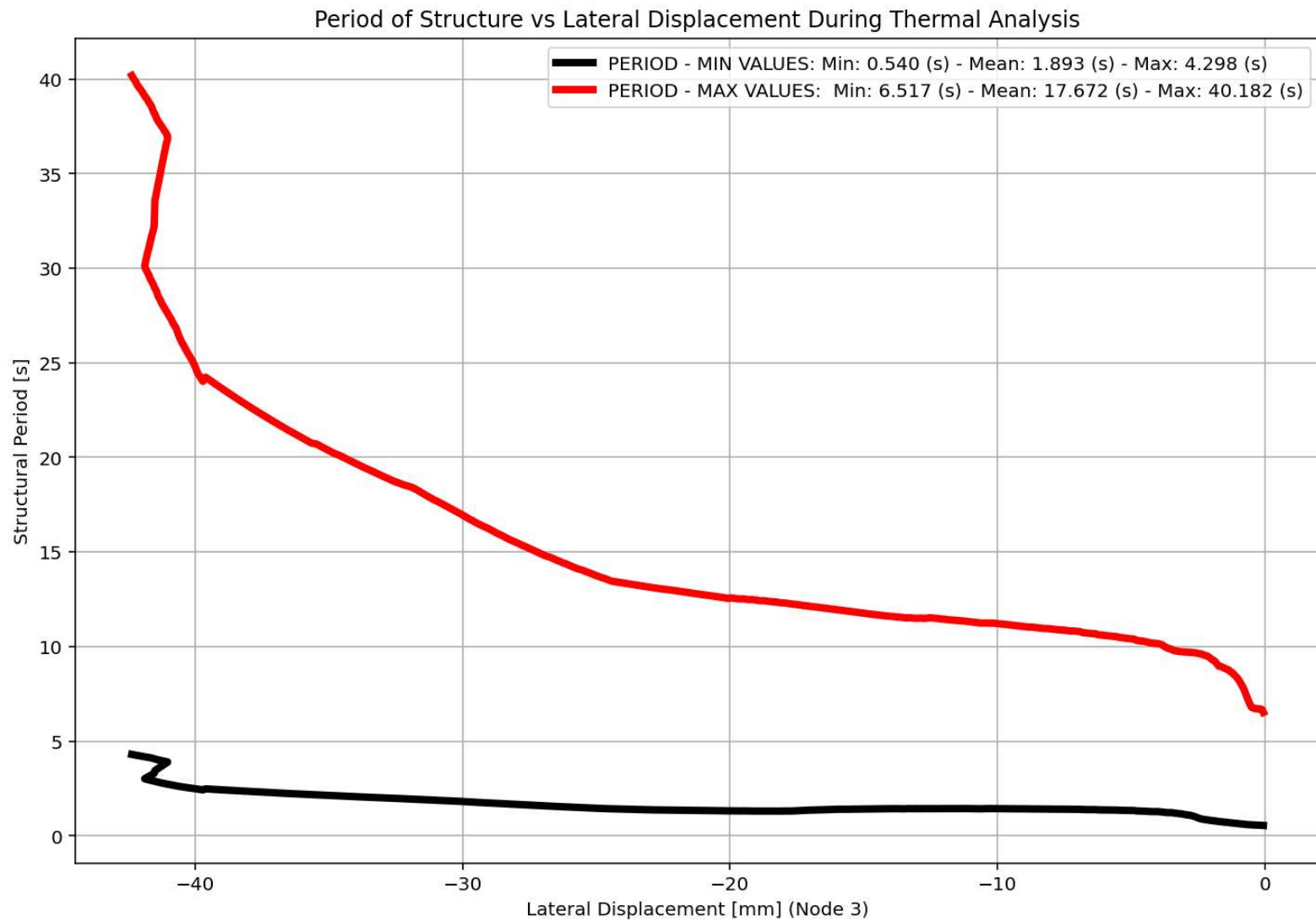
Steel01 Thermal Material



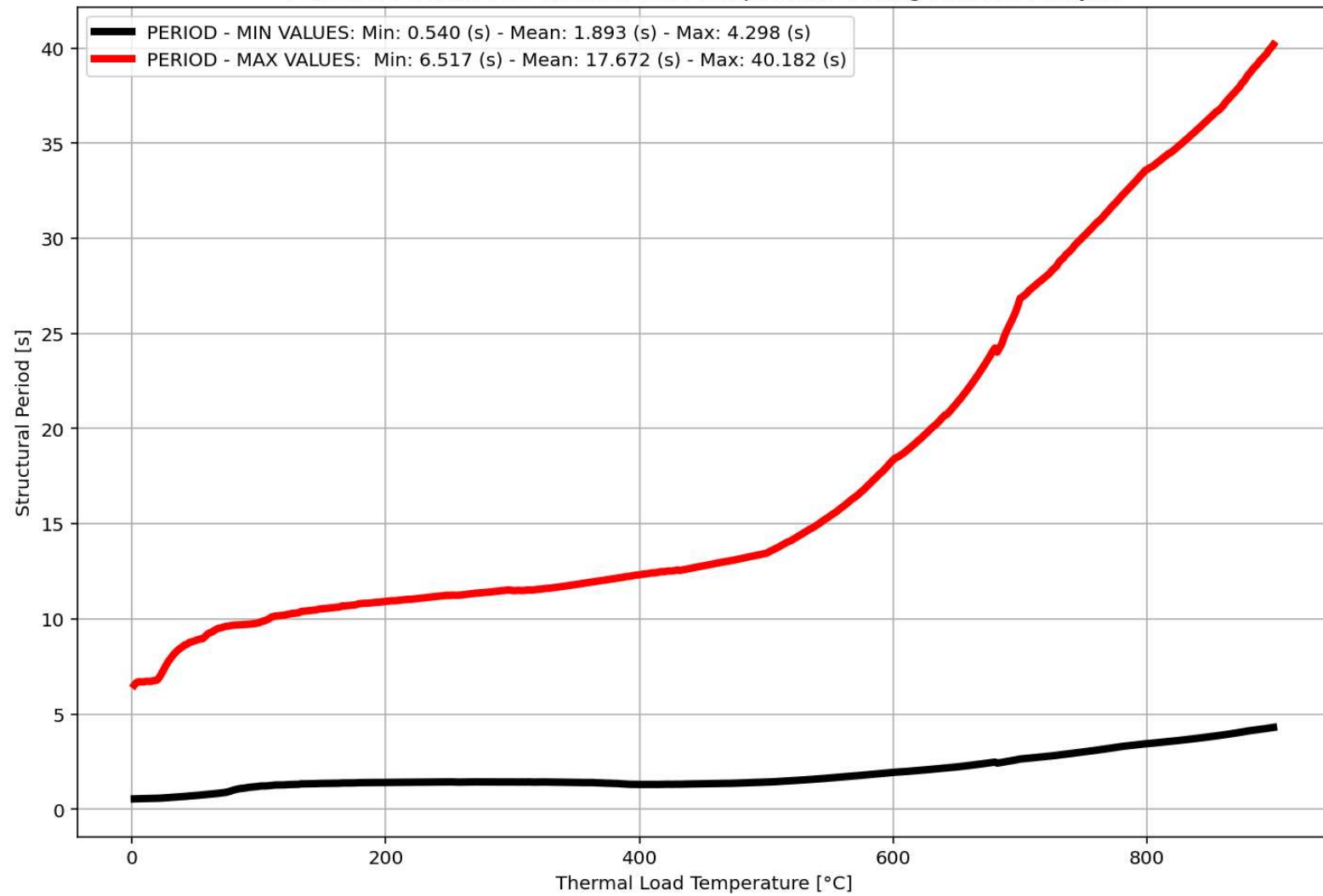
BEAM SECTION

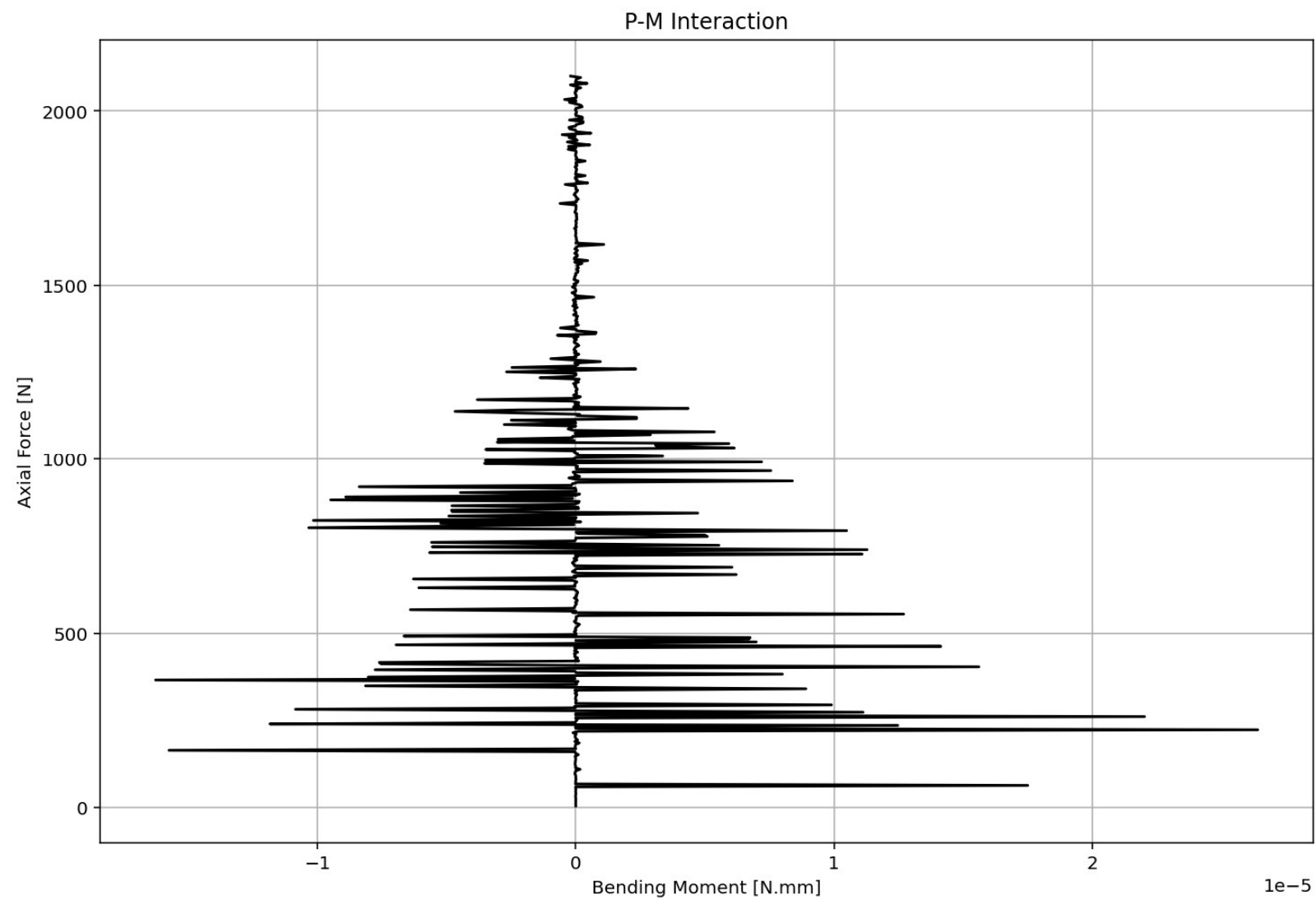


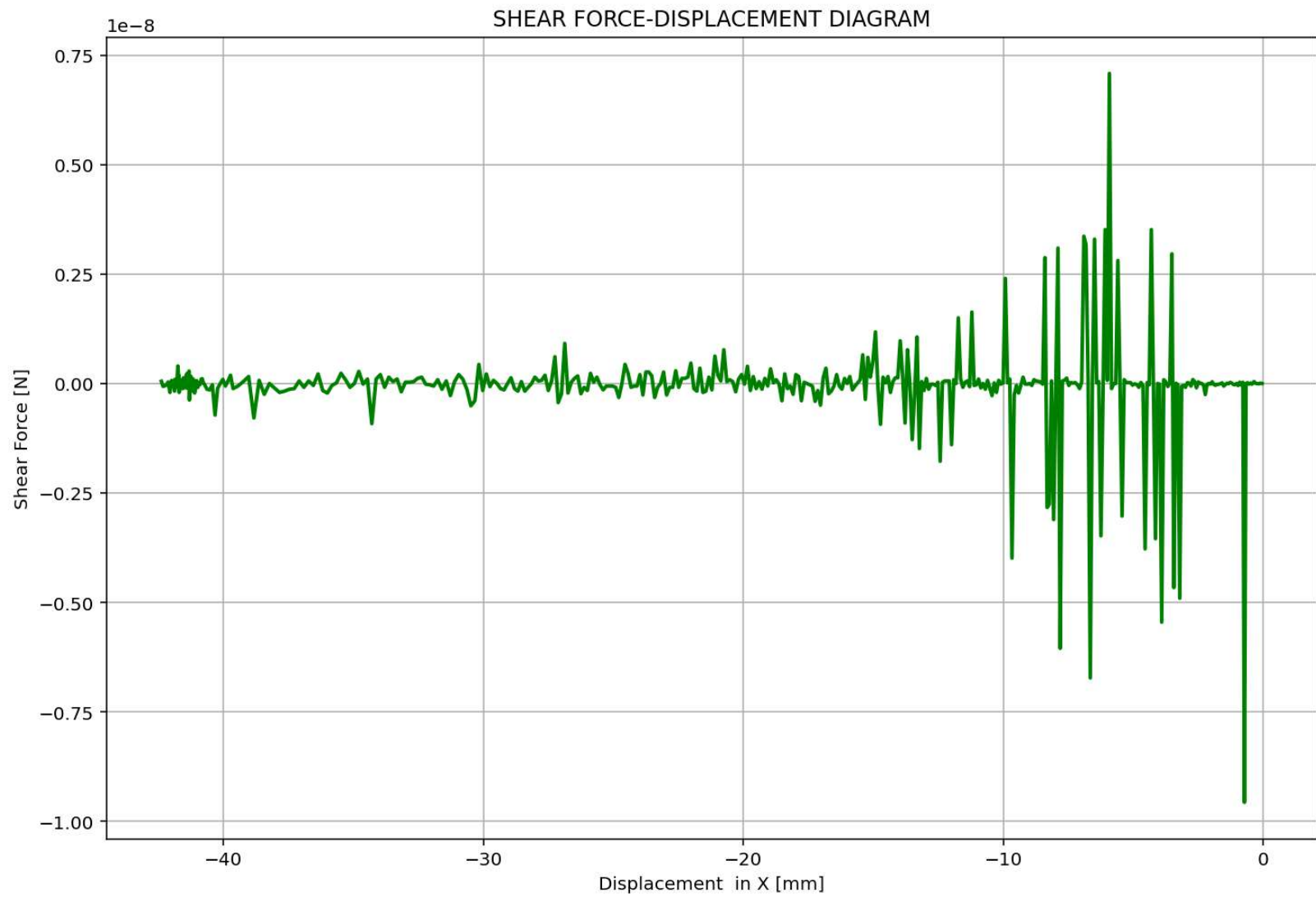


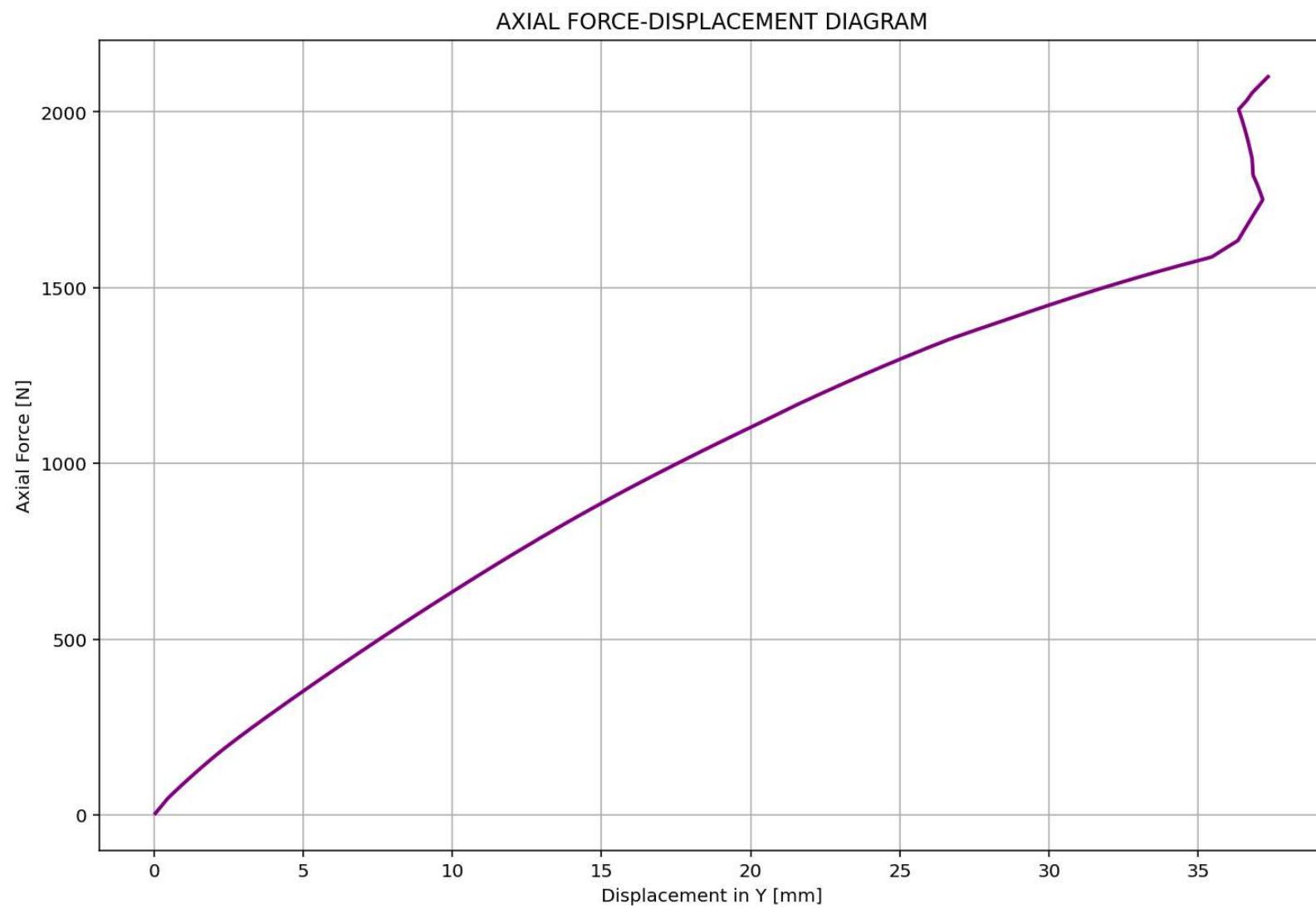


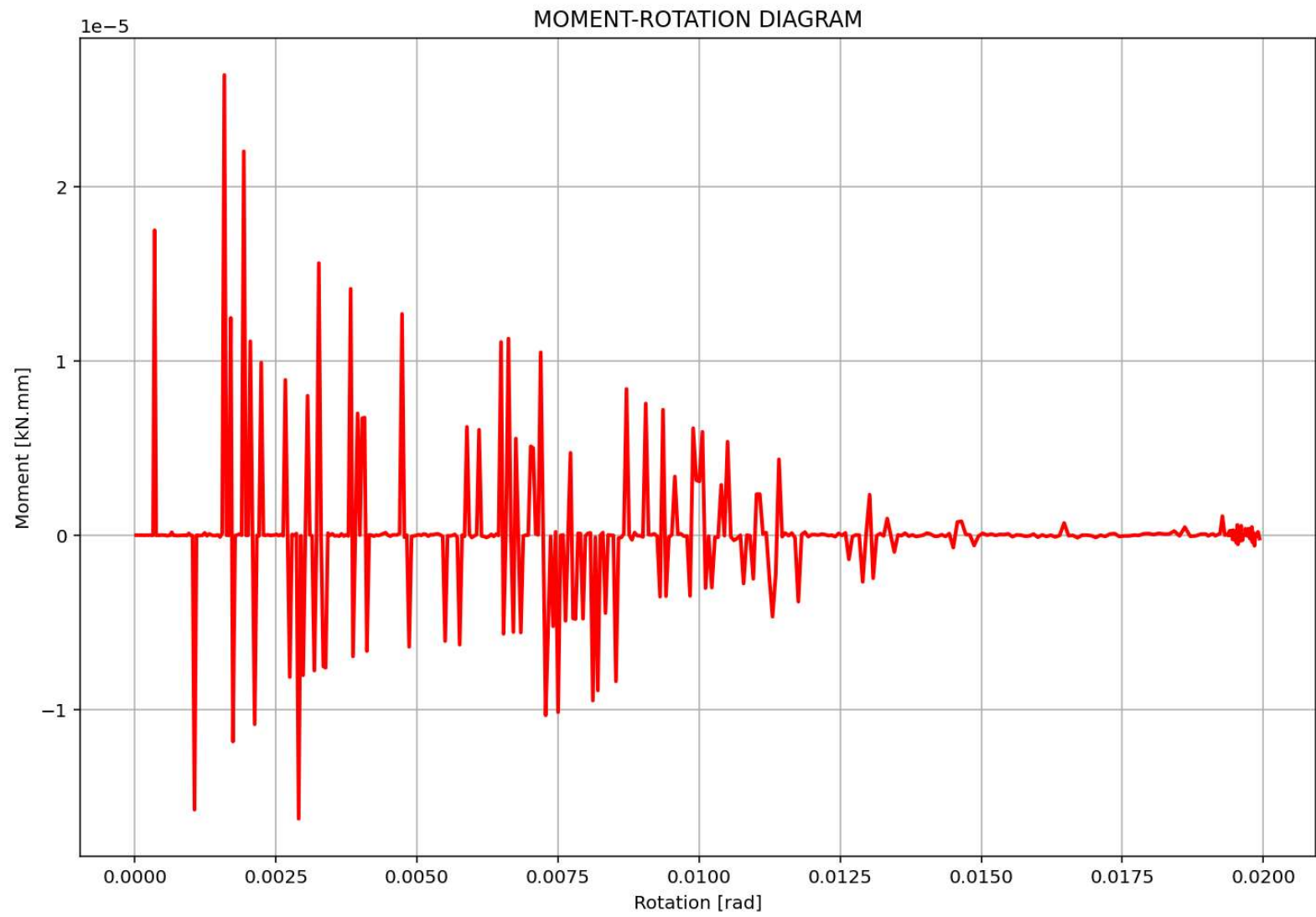
Period of Structure vs Thermal Load Temperature During Thermal Analysis



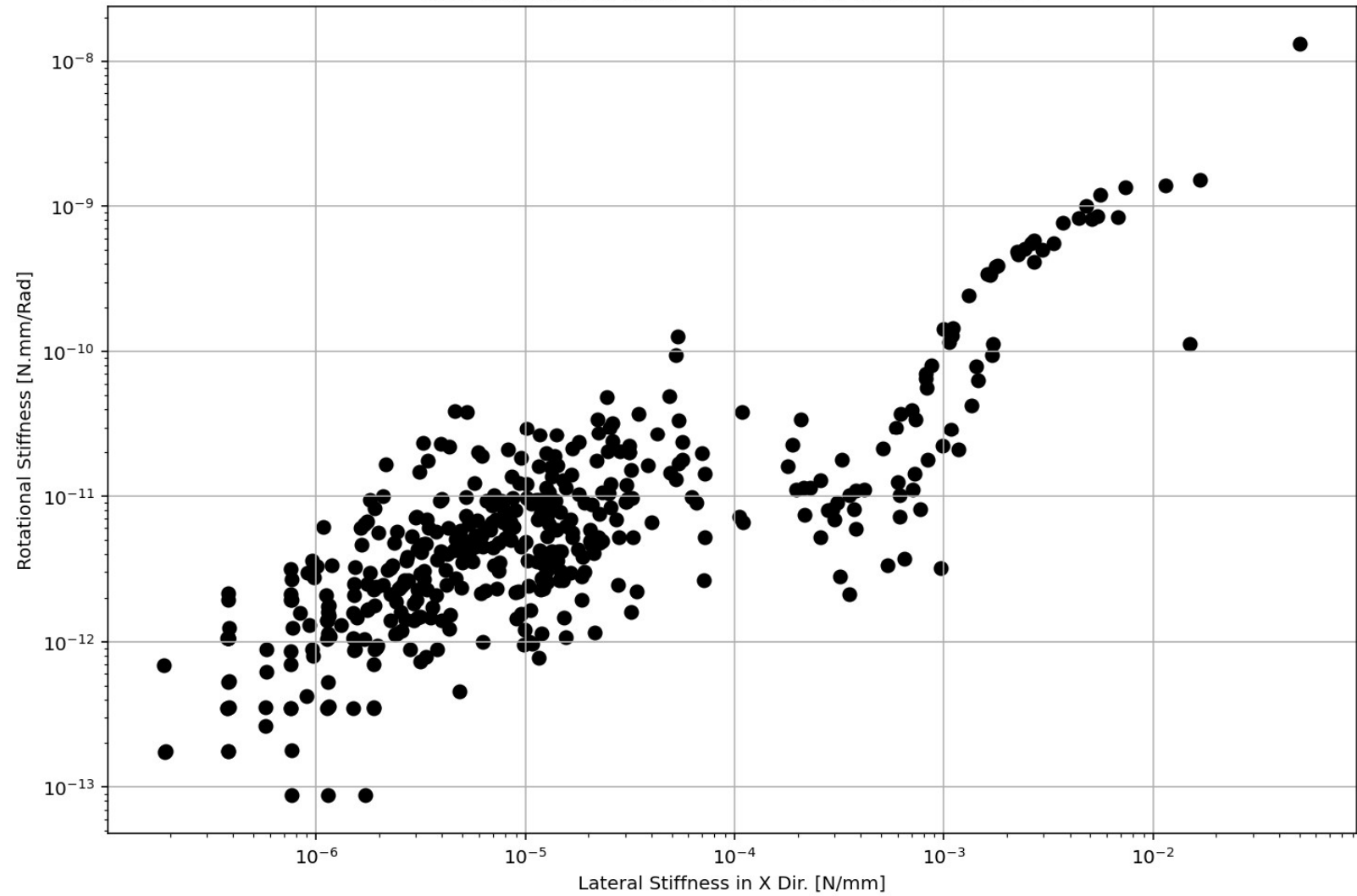








ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM



ROTATIONAL STIFFNESS-LATERAL STIFFNESS DIAGRAM

