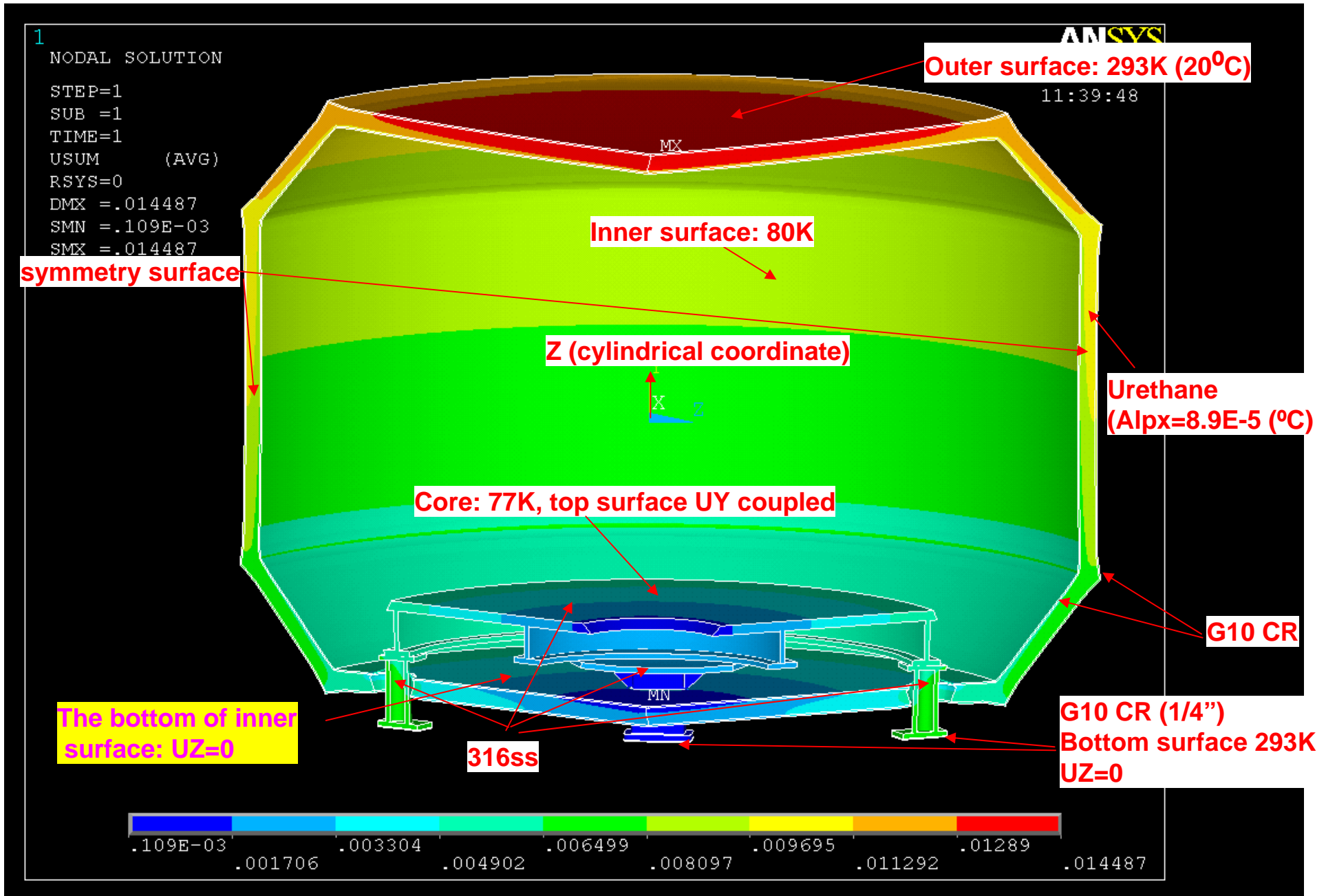
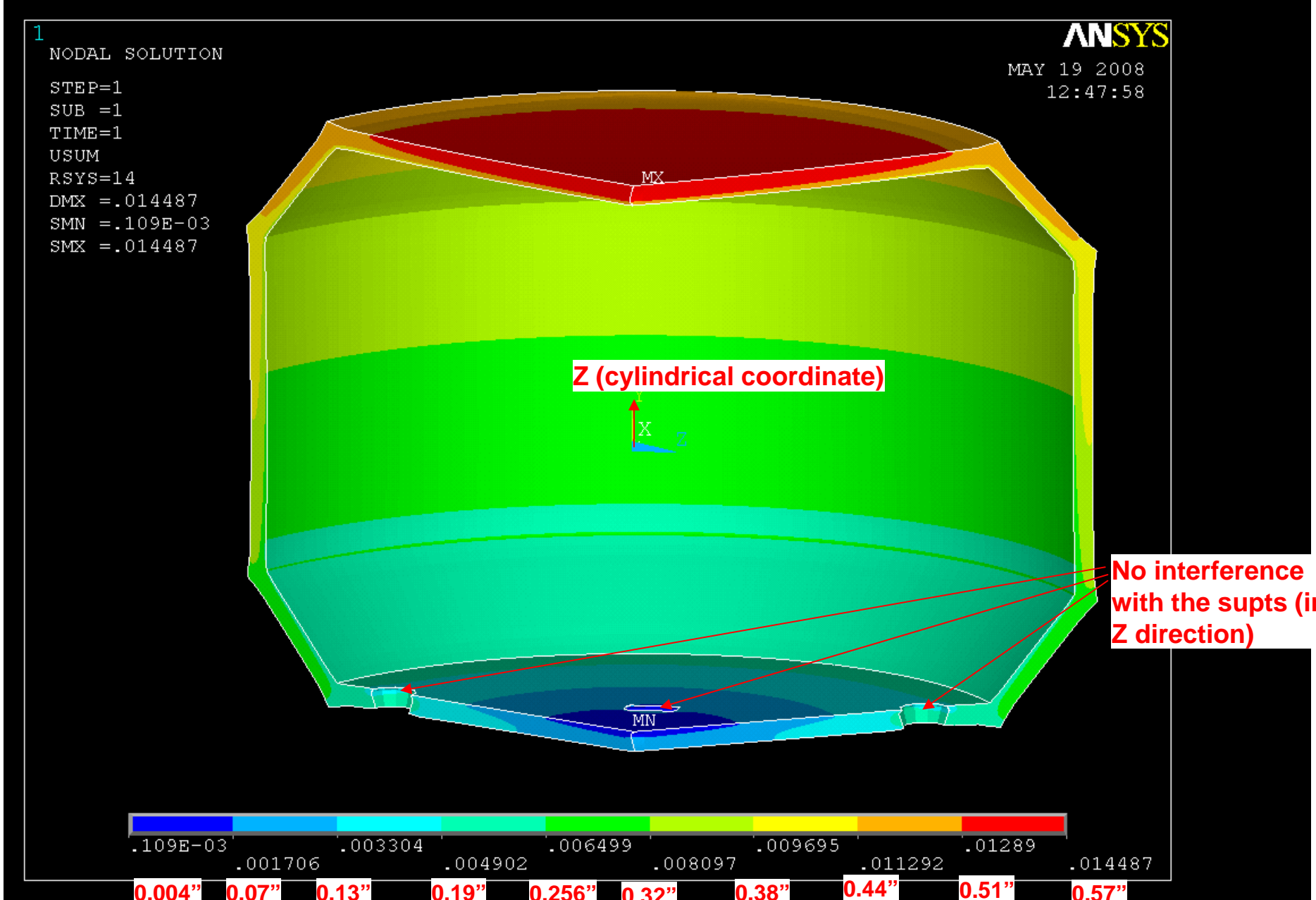


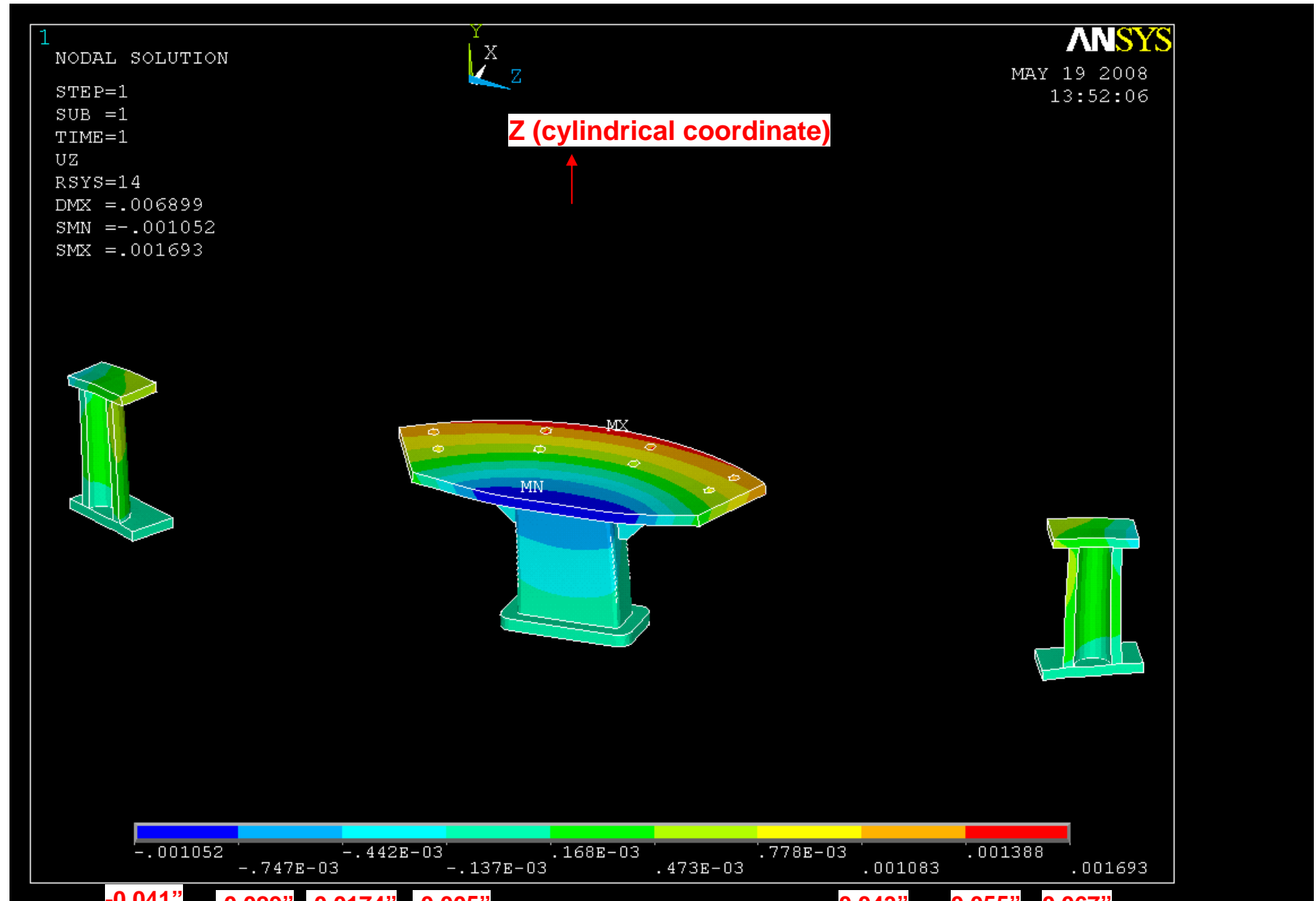
Thermal deflection analysis



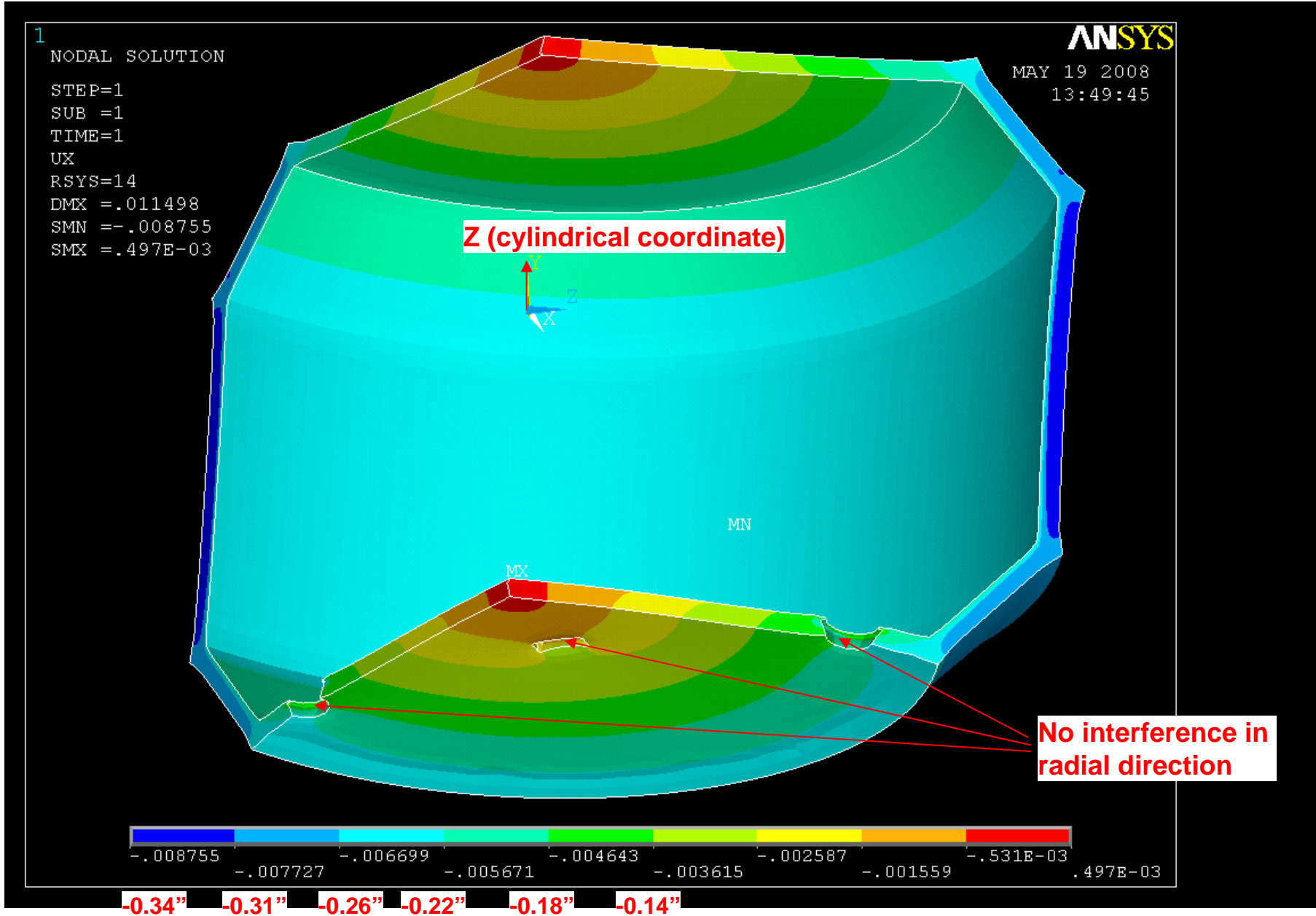
Z Displacement (m)



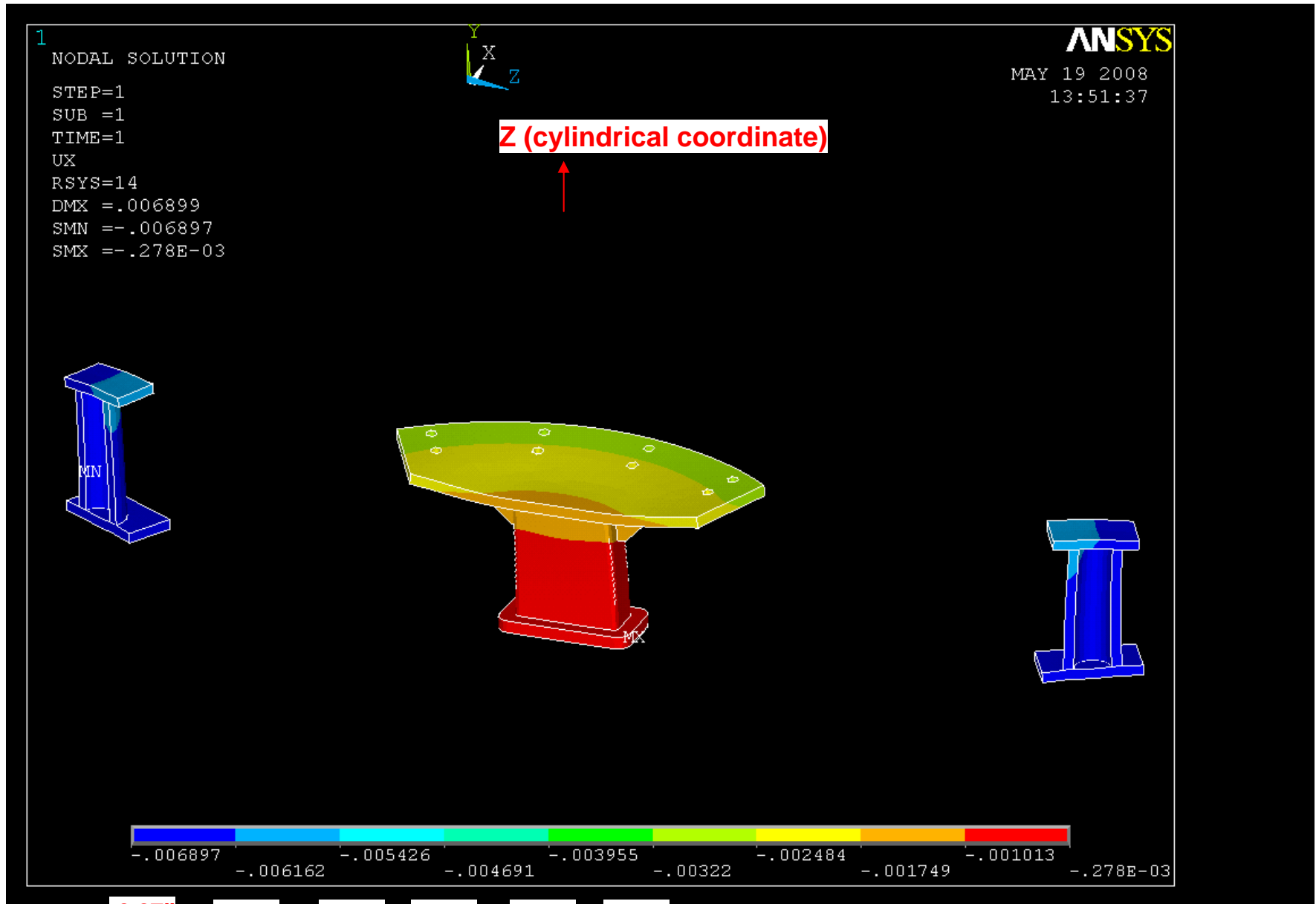
Z Displacement (m)



Radial Displacement (m)

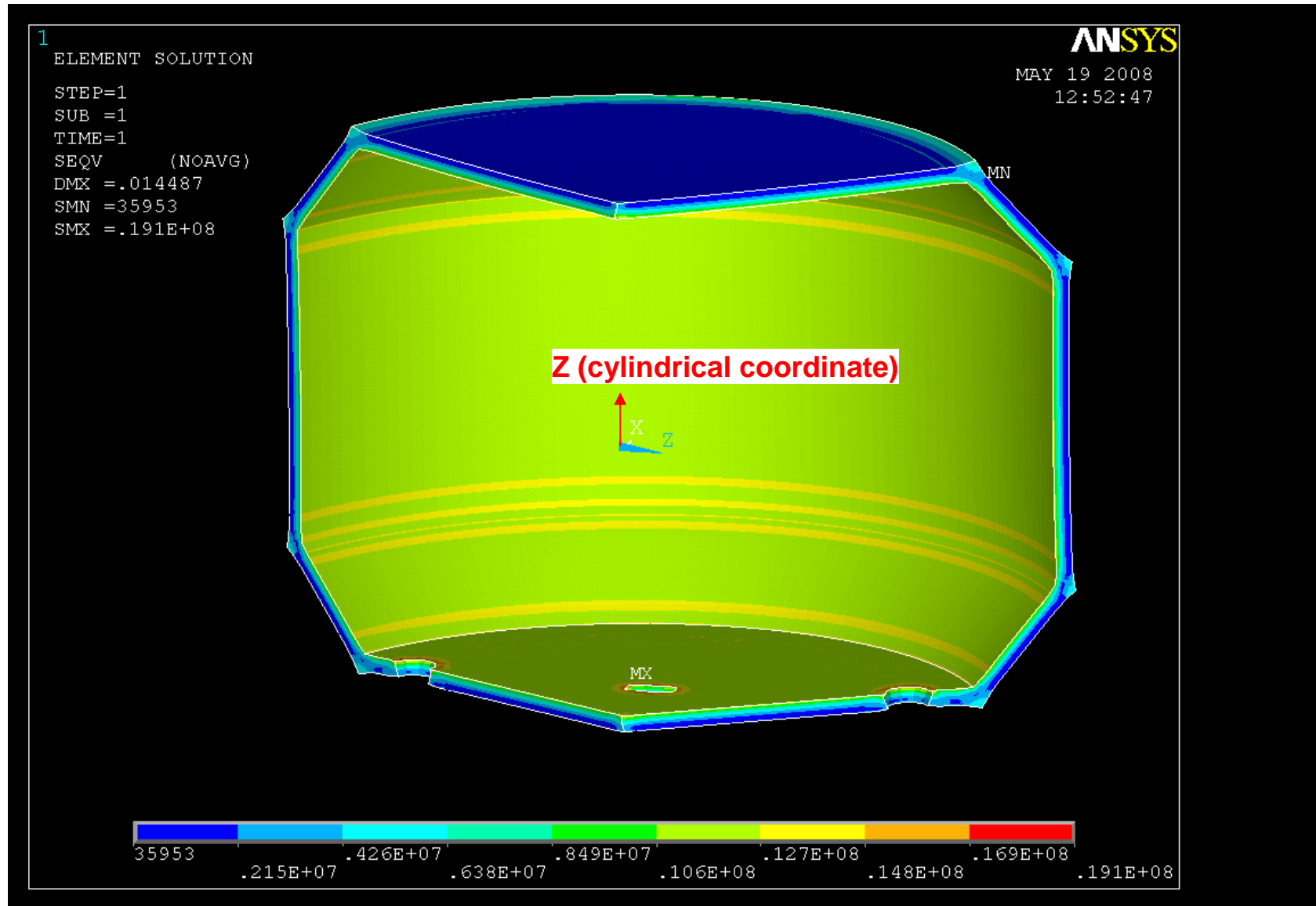


Radial Displacement (m)



Urethane thermal stress (Pa)

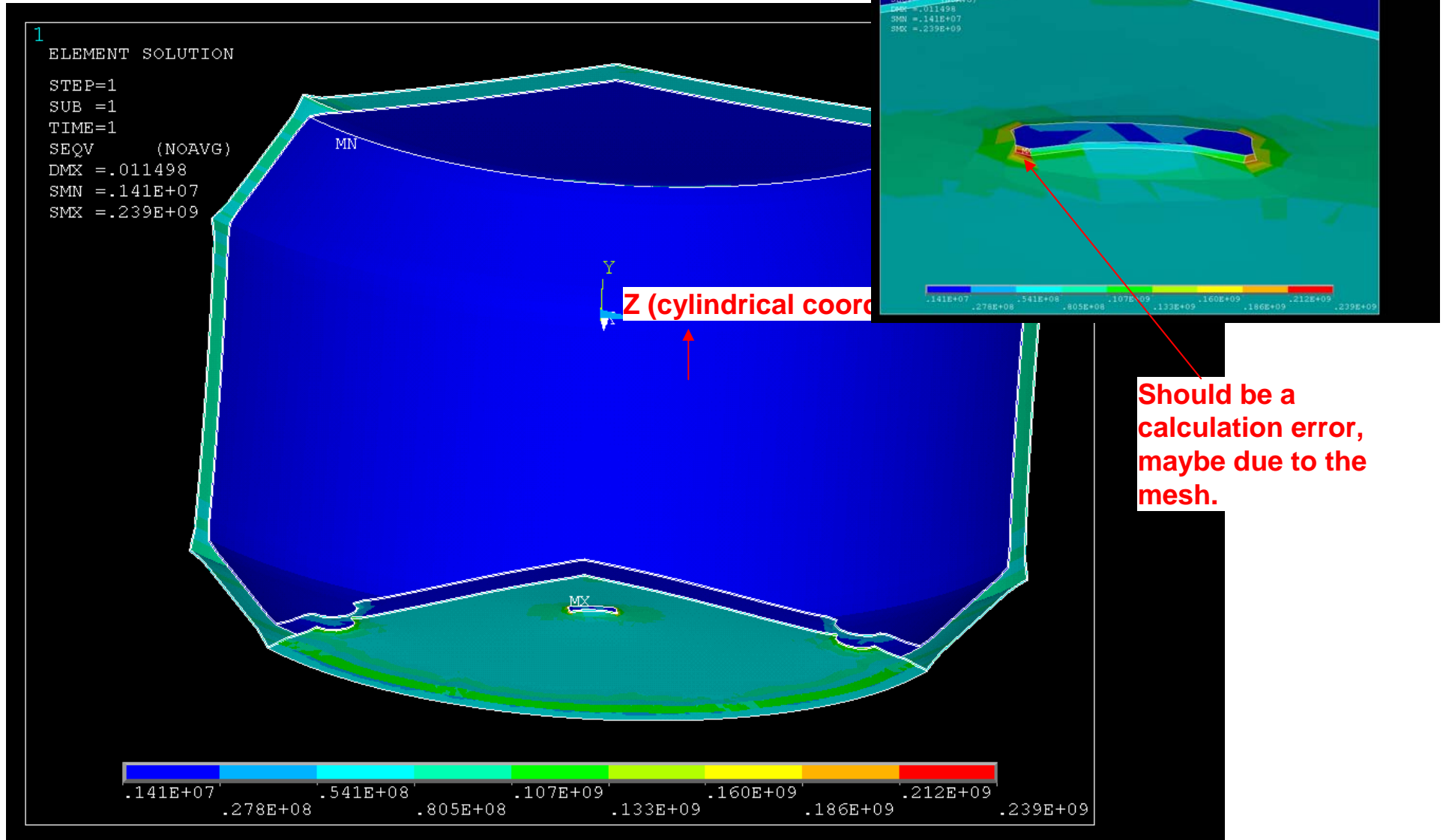
1 MPa=0.145 ksi



Max 19MPa (2.76 ksi), should not make the urethane broken? Is urethane a more compliant material?

G10 shell thermal stress (Pa)

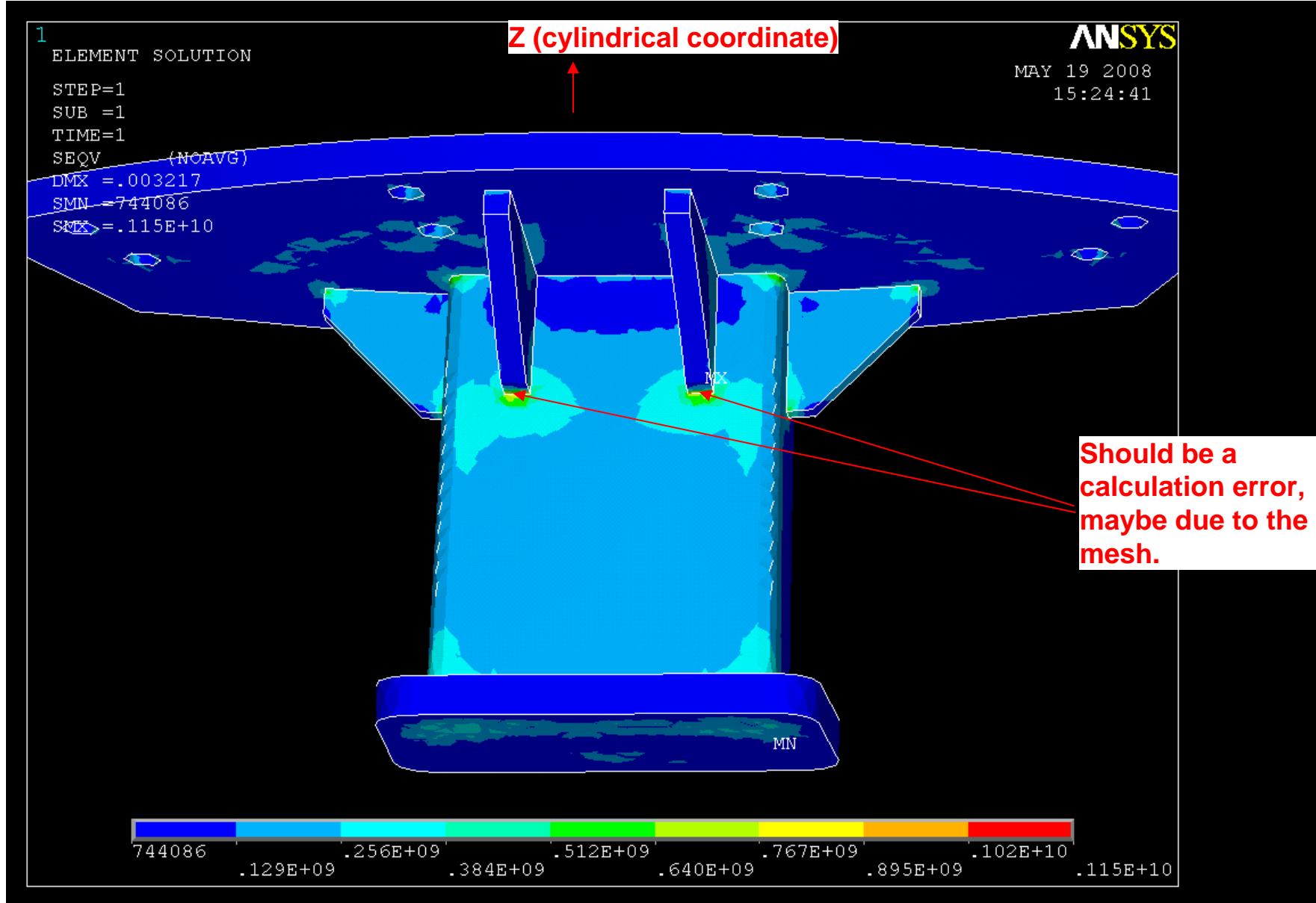
1 MPa=0.145 ksi



Max 239MPa (2.76 ksi) only happened in 1 point, should be a calculation error. In the remaining areas, max stress is ~100MPa (14.5ksi), should not make G10 broken.

Inboard supt thermal stress (Pa)

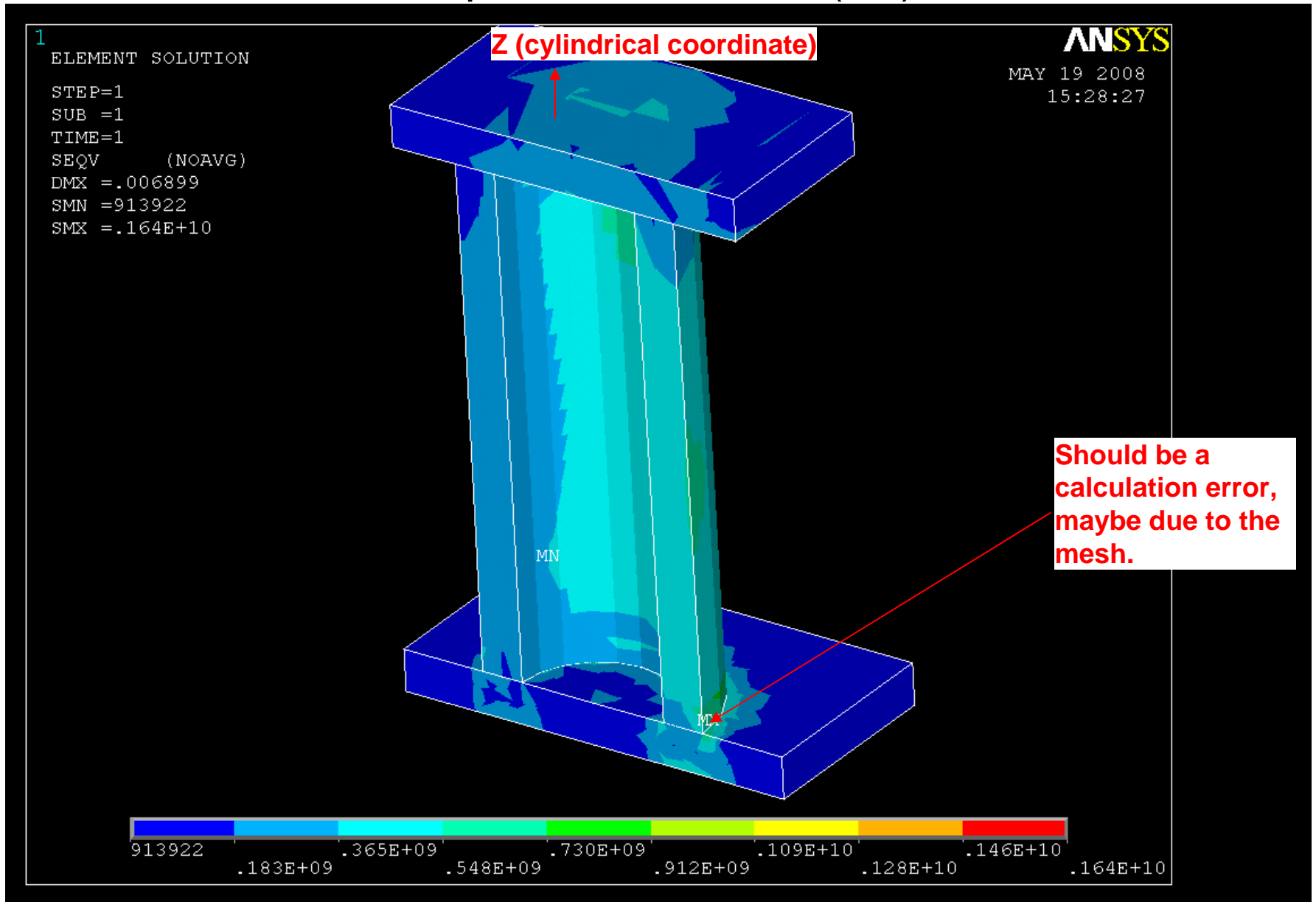
1 MPa=0.145 ksi



Max 1150MPa (167 ksi) only happened in 2 points, should be a calculation error. In the remaining areas, max stress is ~256~384MPa (37~56 ksi).

Outboard supt thermal stress (Pa)

1 MPa=0.145 ksi



Max 1640MPa (238 ksi) only happened in 1 point, should be a calculation error. In the remaining areas, max stress is ~365~500MPa (53~72 ksi).