

# FEA of A Tire Iron

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**Figure 1 - Tire Iron Modeled in NX5**

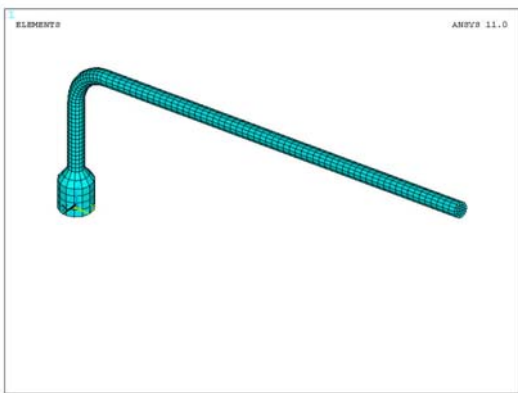


Figure 2 - Elements

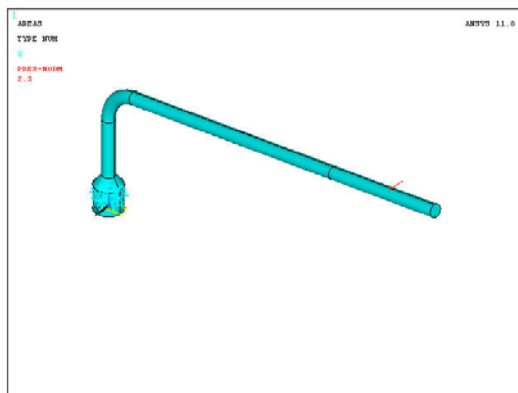


Figure 3 - Applied Forces

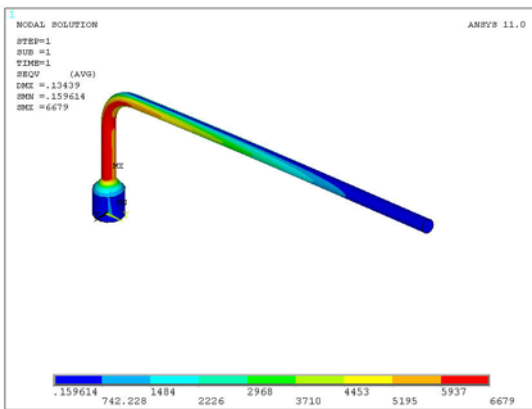


Figure 4 - 10 lb/ft Torque

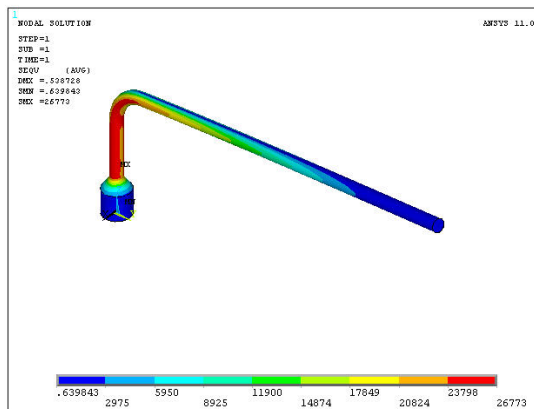


Figure 5 - 40 lb/ft Torque

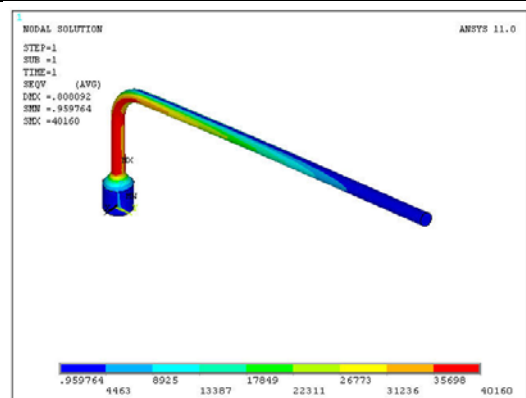


Figure 6 - 60 lb/ft Torque

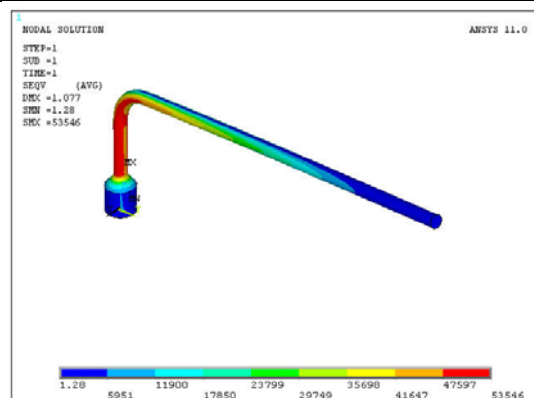


Figure 7 - 80 lb/ft Torque

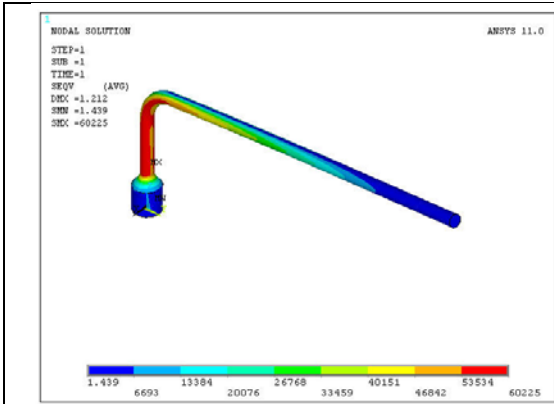


Figure 8 - 90 lb/ft Torque

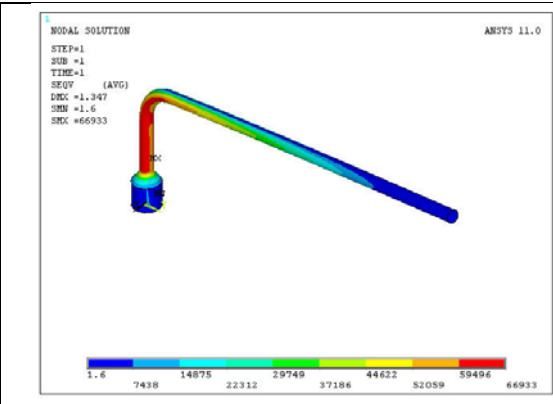


Figure 9 - 100 lb/ft Torque

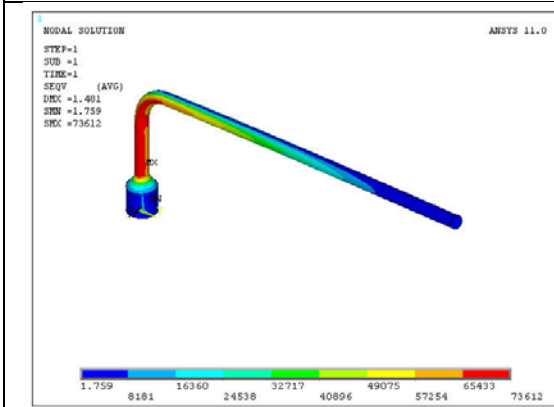


Figure 10 - 110 lb/ft Torque

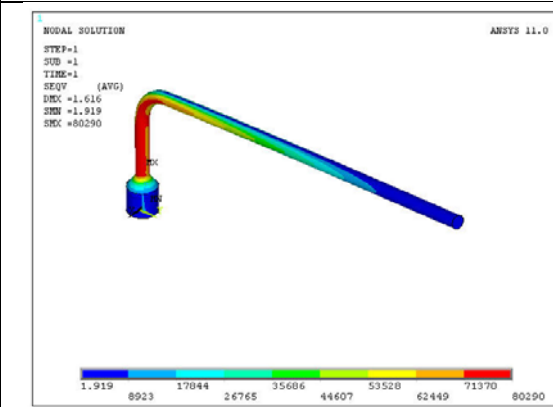


Figure 11 - 120 lb/ft Torque

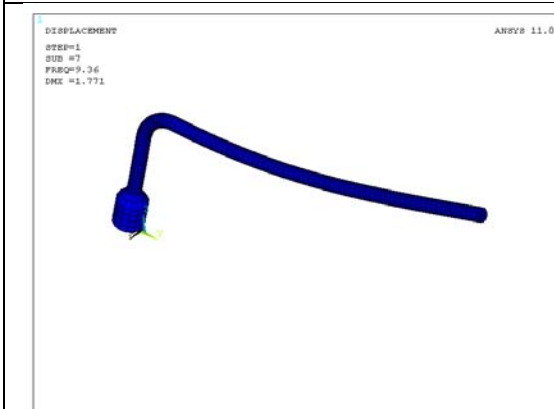


Figure 12 - Mode 1

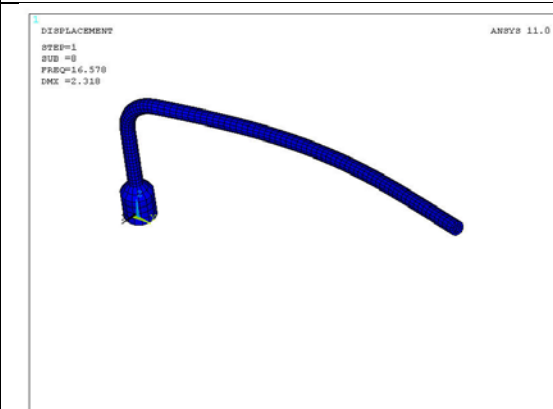


Figure 13 - Mode 2

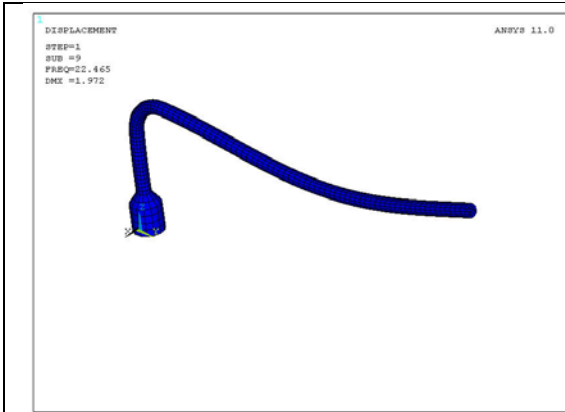


Figure 14 - Mode 3

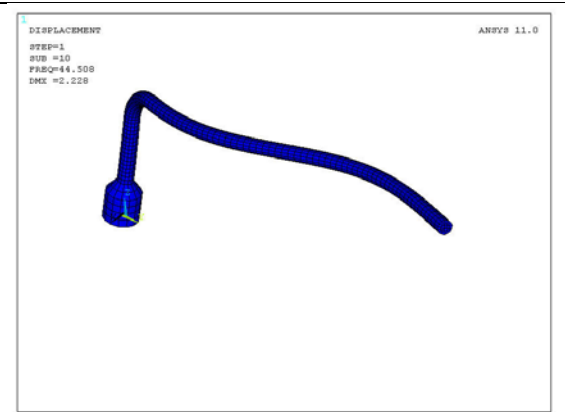


Figure 15 - Mode 4

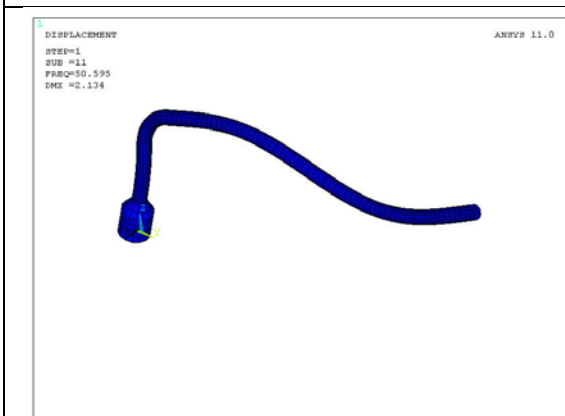


Figure 16 - Mode 5

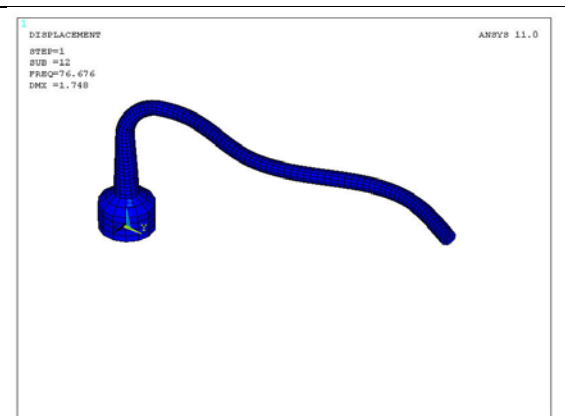


Figure 17 - Mode 6

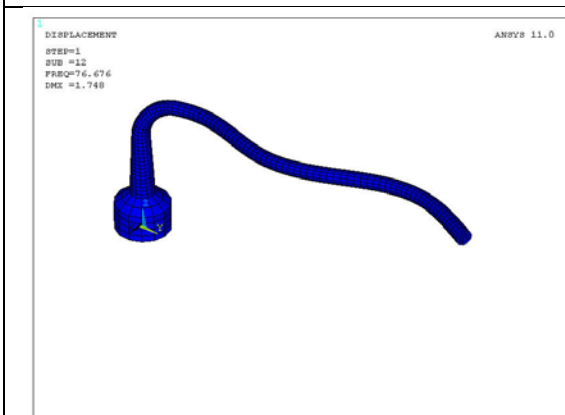


Figure 18 - Mode 7

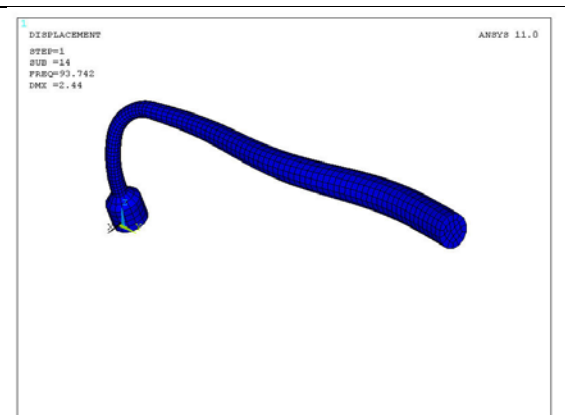


Figure 19 - Mode 8