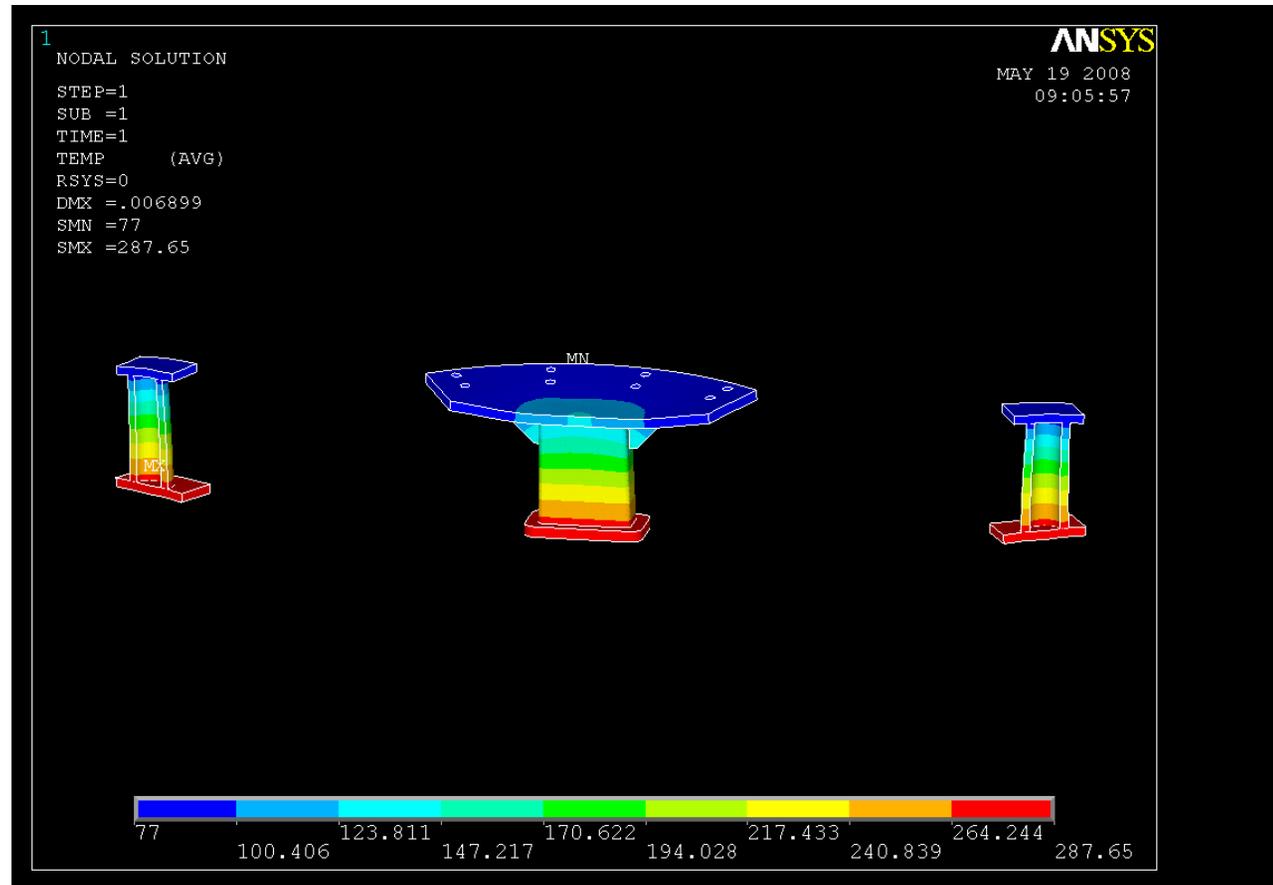




# Heat load (W)



1. Heat from the 3 inboard (A-A) supports: 316 W
2. Heat from the 3 outboard (B-B) supports: 251 W
3. Heat from the wall: 5319 W
4. Total heat load requires the boiling rate of LN2 of ~30g/s. Using 645x volume expansion during vaporization (from LN2 at 77K to GN2 at 293K), ~20 liter/s (5.1 gallon/s) GN2 produced.