Thermo-structural and heat load analysis of SST-1 Superconducting coils

Author: A. Tomar et al
Email: arvind.kumar@ipr.res.in

In this paper heat load and thermal deformation of support structure as well as Superconducting coils is calculated.

- Radiation heat load on TFCs = 130 W
- Radiation heat load on PFCs = 100 W
- Conduction heat load from support structure = 272 W
- Maximum thermal deformation = 13.2 mm

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