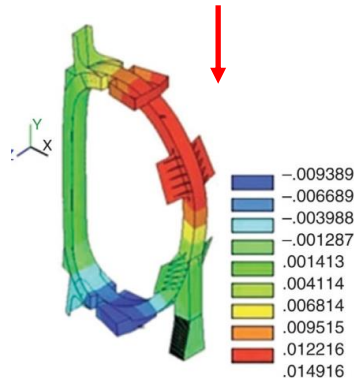
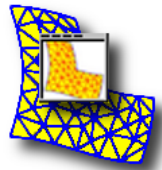
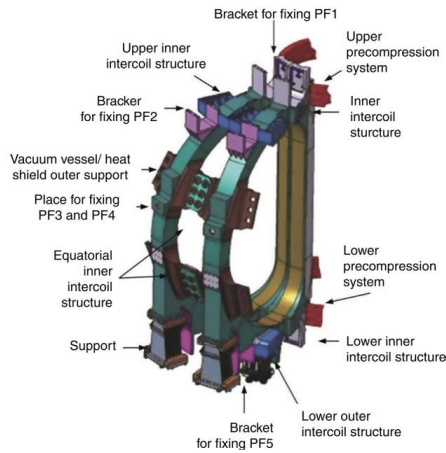


# SC magnets thermo-mechanics



- Problem: the operation (with special reference to the cooldown) of SC magnets involves, besides other, thermal and mechanical aspects
- Aim of the work:
  - a) Implementation of a thermo-mechanical model  
→ stress distribution in the TF casing → comparison with codes and standards
  - b) Application to the EU DEMO TF cooldown
- Prerequisites: basics of structural mechanics, general knowledge of the magnet system of a tokamak

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