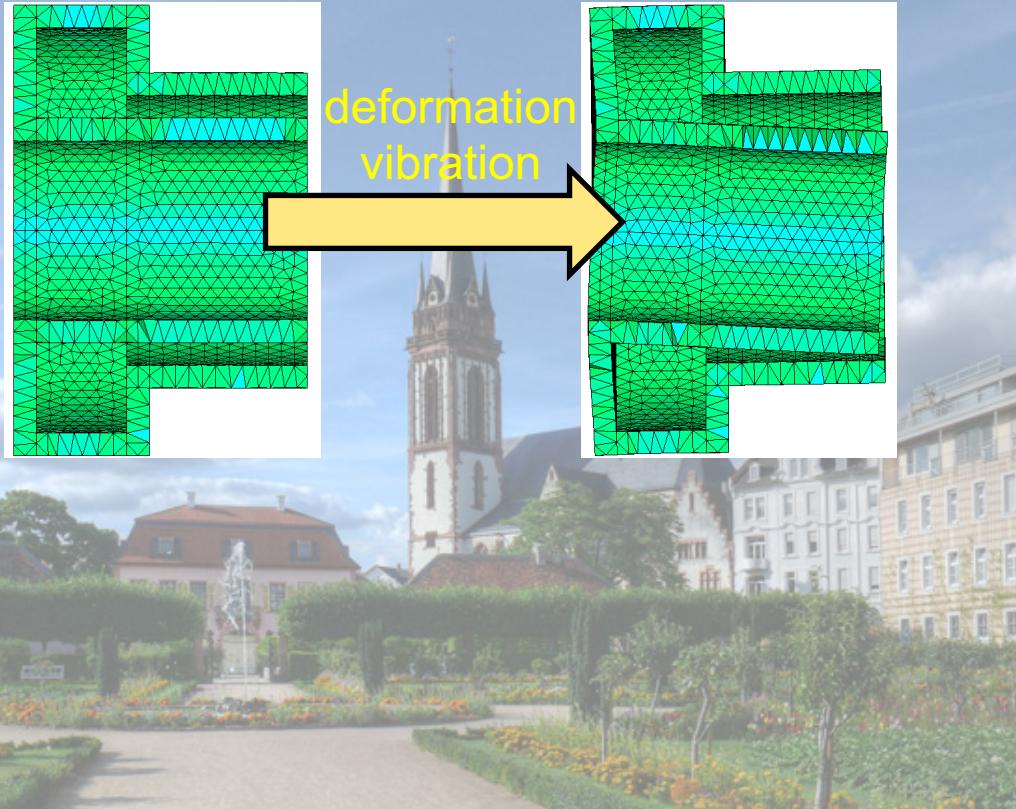


Electromagnetic Fields Affected by Vibration and Deformation

Nicolas Marsic, Herbert De Gersem



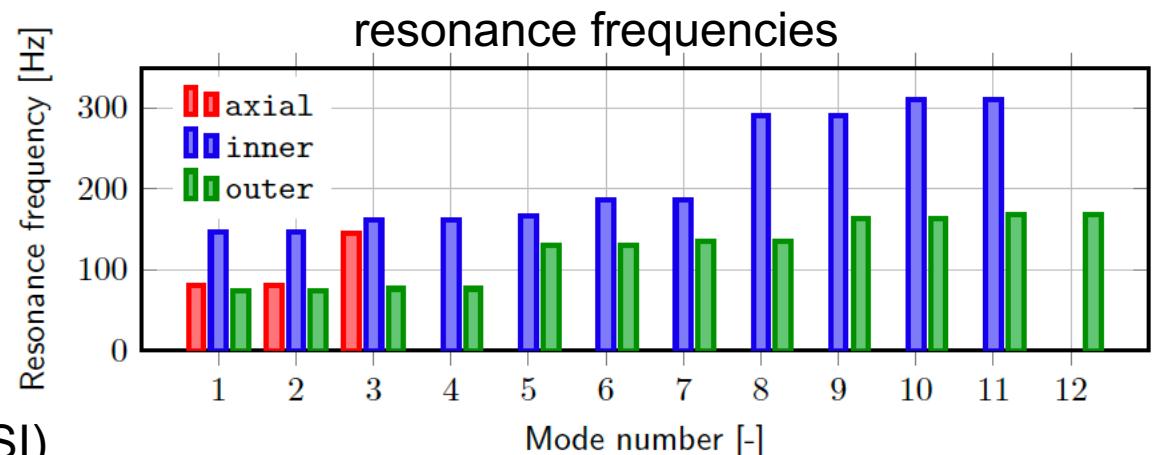
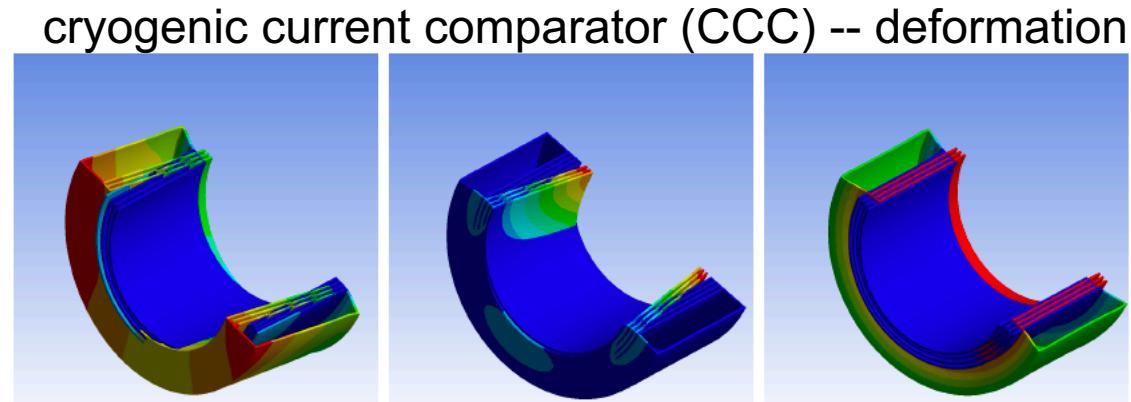
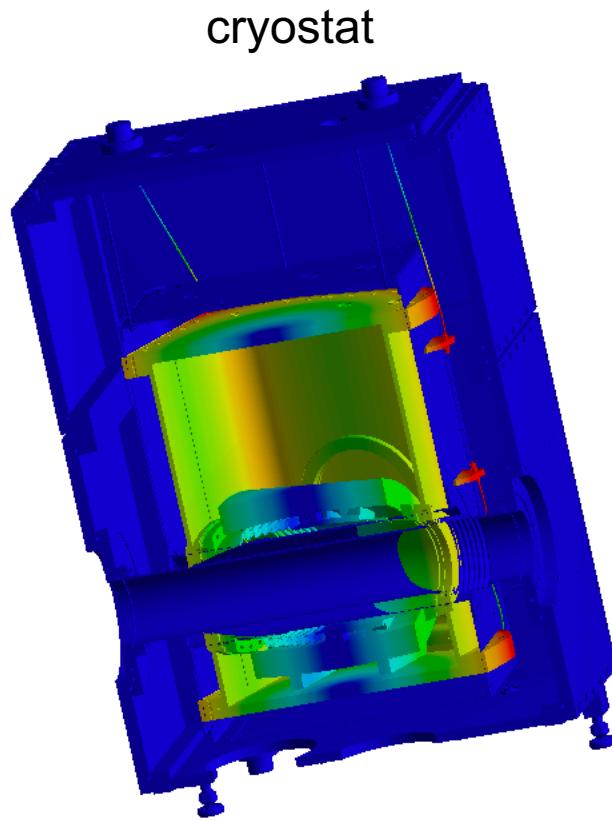
Simulation toolchain
(based on Gmsh + own tools):

- mechanical eigenmodes
- external sources
- Lorentz forces
- mesh morphing
+ curved elements
- electromagnetic fields
- inductances, voltages, ...

Cryogenic current comparator (CCC)



TECHNISCHE
UNIVERSITÄT
DARMSTADT



+ D. Haider, T. Sieber et al. (GSI)

+ J. Golm, V. Tympel, T. Stoehlker et al. (Jena)