CERN

Introducing myself

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Outline

- Background
- Previous work
- Work at CERN
- Hobbies

Jorge´s background

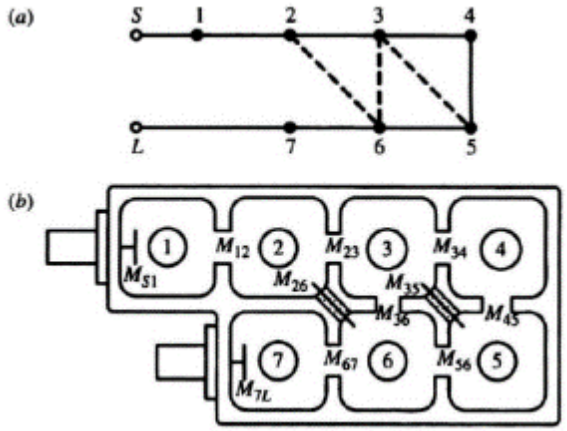
- Brought up in Madrid
- 25 now
- Bachelor at ETSIT-UPM
- Double Degree Master student at UPM and TU Darmstadt
- Information and Communications Engineering

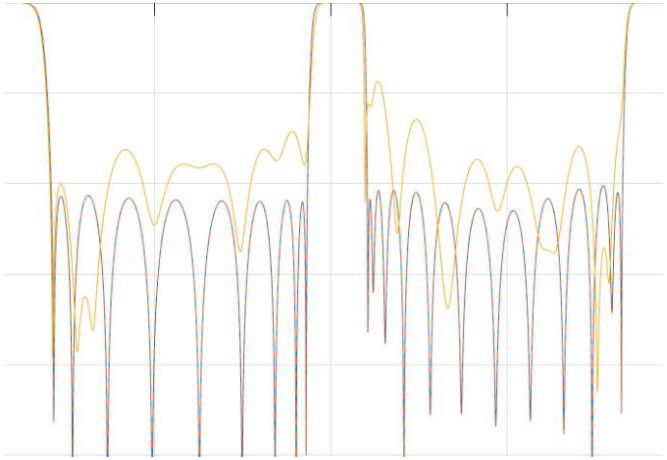
POLITÉCNICA

TECHNISCHE UNIVERSITÄT DARMSTADT

Previous work

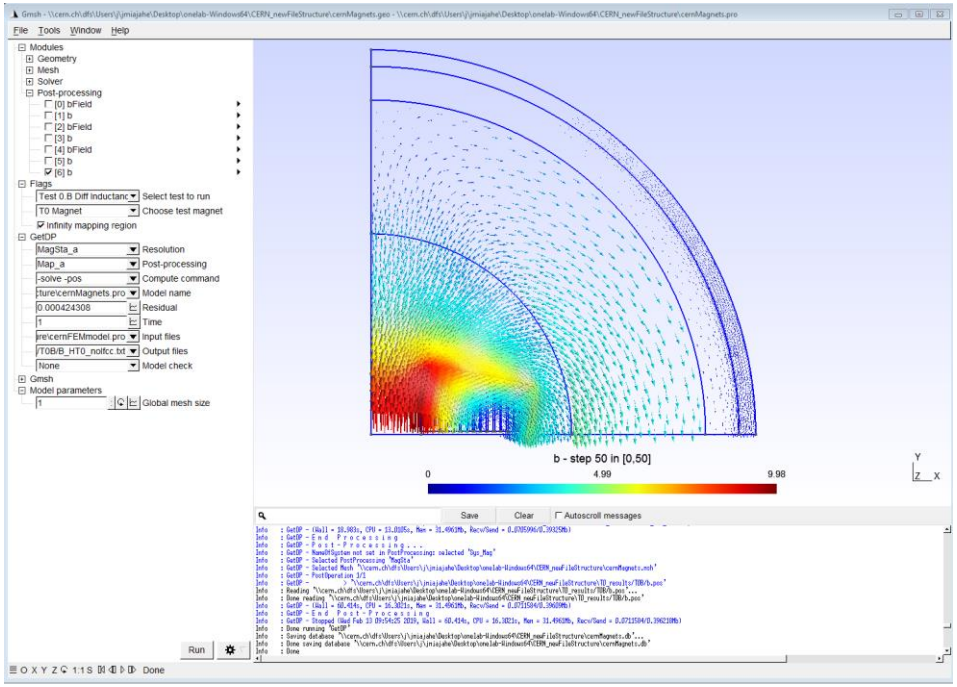
- Bachelor thesis plus internship at UPM
- Optimization algorithms for microwave filters





At the office

- Modelling LHC magnets
- Exploring migration to
- Gmsh and **GetDP**



At the office

- COMSOL is proprietary software
  - Licence limitations
  - Code is protected and hidden

- GetDP is an Open Source Software
  - Free, unlimited
  - We program how to solve the system

At the office

- This will be my Master's Thesis
- High interest in numerical methods
- Programming FEM on superconductors
- No better place

Once outside the office

Thank you for your attention!