



Introduction: Anders Frem Wolstrup

Short term internship (Trainee)

Stay: September – December

Supervisor: Emmanuele Ravaioli

Date 17-09-2020

About me

Basics

- Born in 1997 (23 years old)
- My hometown is Sengeløse (a small town between Roskilde and Copenhagen)
- I just bought an apartment in Søborg with my girlfriend (I finished fixing it up just before I got here)

University

- DTU (Technical University of Denmark)
- Bachelor in Electrotechnology: 2016 to 2019
- ‘Permanent magnetic field source for vibrating sample magnetometry (VSM)’
- Masters in Electrotechnology: 2019 to Present
- Specialization: Power / SMPS

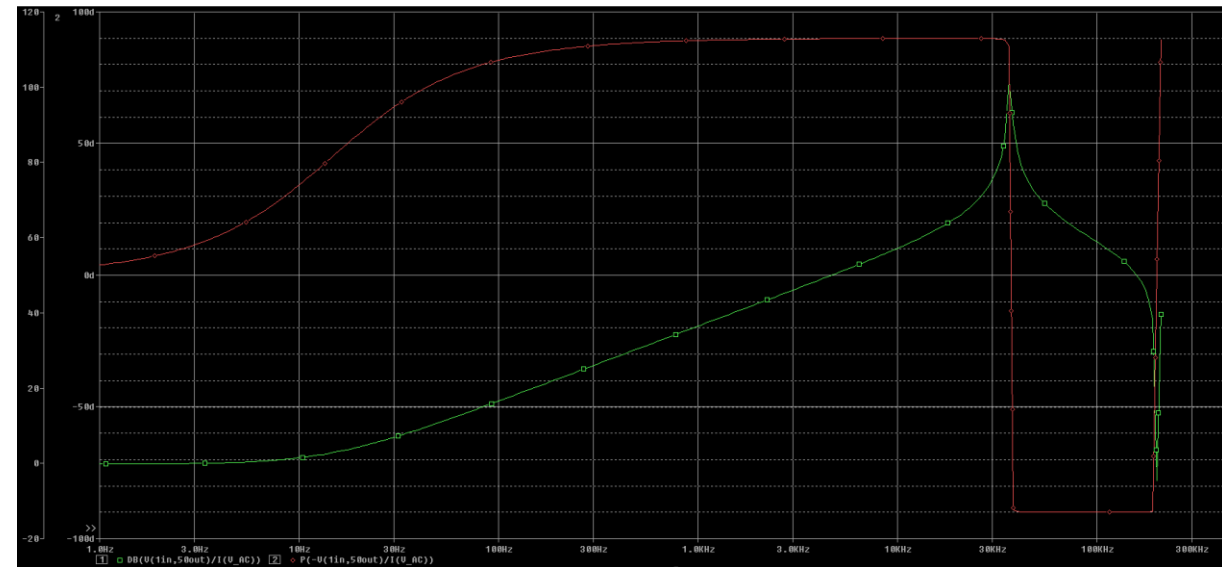


Automating the modelling of frequency model

The plan for the project:

- Create a python class which can be used to automatically generate frequency models of superconducting magnets from the coil turn geometry
- Use said class to generate multiple models in a SWAN notebook
- Develop a working circuit model based on PSPICE frequency-domain models of one magnet with additional needed components.
- Validate the frequency-domain models in a specific case by comparing the circuit model with the measurements from the corresponding real circuit.

STEAM



Hobbies

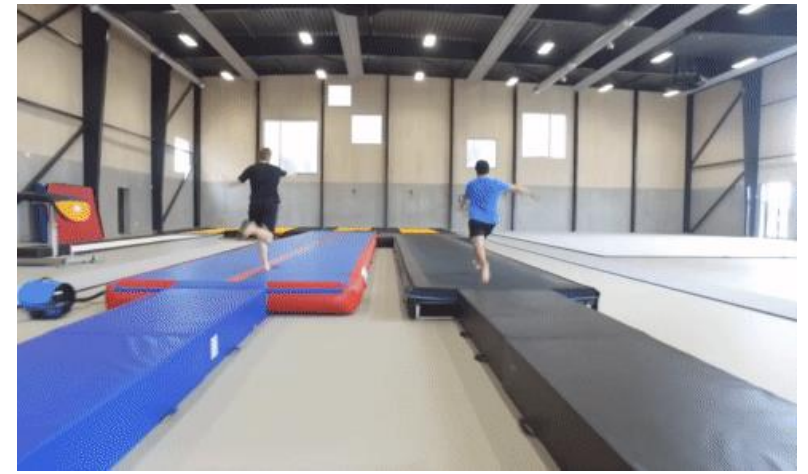
Gymnastics

- I've been doing gymnastics since I was 6 years old
- I went to a gymnastics boarding school in 12/13
- I used to teach both gymnastics and parkour



Gaming & Esport

- I mostly play multiplayer games with friends
- The singleplayer games I do play, are mostly used as an alternative to watching a movie with my girlfriend





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