

Subject of the MsC Dissertation:

Controlled Audio Valve Amplifier

Team:

Student: Tiago José da Silva Campos

Supervisor: Vítor Manuel Grade Tavares

Co-supervisor: Ricardo Ivo Rainha Dias Faro de Carvalho

Accomplishments:

- A meeting between the Student, Supervisor and Co-Supervisor took place in March the 16th, in order to continue discussing the current state of design of the amplifier;
- A possible full design has been achieved with the exception of the output transformer model and the power supply. Negative feedback was introduced in order to reduce the total harmonic distortion of the amplifier;
- The pre-amplifier section is still likely to change in matters of topology being yet an object of study;
- The best point of operation for the output valves is in study in order to minimize the total harmonic distortion, maximize power and also for specify the optimal output transformer for the design;
- The available budget for the implementation continues unknown at the moment.