

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:

- After several simulations with the output valves and the circlotron topology, the output transformer primary impedance was chosen, optimizing the THD and power output rating. With it, the choice of operation point (bias) of the output valves was made;
- A meeting between the Student, Supervisor and Co-Supervisor took place in March the 30th, in order to discuss the last developments described above;
- Search for custom transformer producers started, trying to find a Portuguese company specialized in valve output transformers;
- The work is starting to become behind the schedule. Re-scheduling will be necessary.