

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:

- Better filtering was added between the driver and output stages. This was a great contribute to lower the noise level of the amplifier;
- The control of the analog-to-digital converter of the development board was implemented;
- New components arrived to interface the amplifier with the microcontroller;
- Parasitic oscillations issues are being difficult to solve. A meeting took place in May the 25th, between the student and the supervisors in order to discuss ways to solve the problems. The team is suspecting of mains transformer saturation and also of the power supply.