VACUUM TUBE PRE-AMP

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In satisfaction of a ECE314 "Audio Engineering Projects" project utilizing antiquated technologies, a vacuum tube pre-amplifier circuit was designed and prototyped. A vacuum tube is a voltage amplifier, which was slowly phased out after the invention of the transistor. Vacuum tubes distort waveforms differently, and more harmonically, than a transistor, which is the reason vacuum tubes are still sought after by audiophiles around the world. In addition to 'Gain' and 'Level' control, the design of the Tone Stack from the Fender Super Reverb guitar amplifier was modified and implemented in our pre-amp.