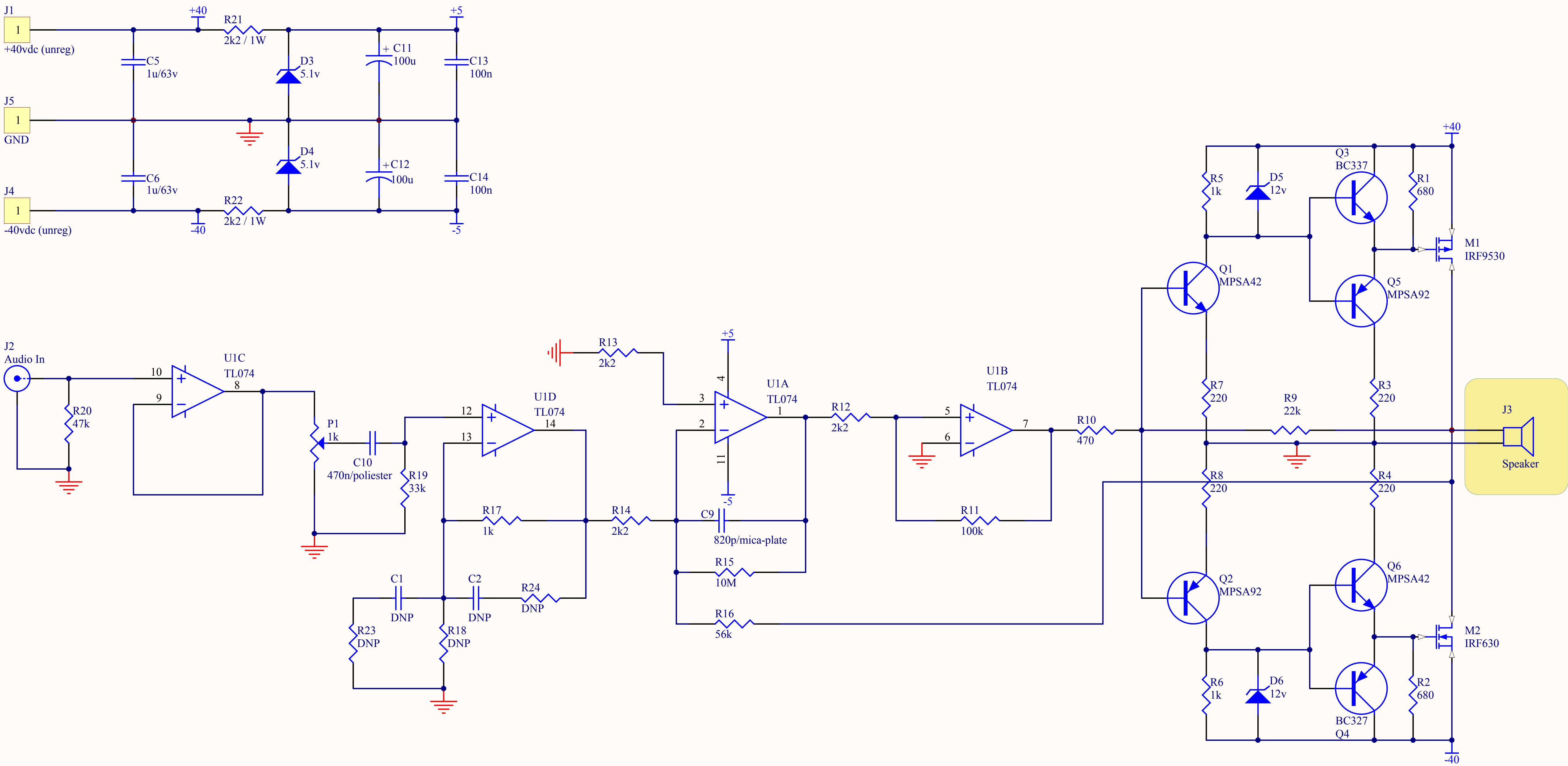


Amplificador HiFi de 200W RMS sobre parlante de 4ohms

Diseñado en 2005 por Eduardo José Tagle basado en Sorenson Audio experiment



NOTES:

- Components with DNP value should not be placed (they are for experiments) J3 Speaker -All resistors are 1 / 4W, unless otherwise specified -All Zener diodes are 1/2 W J2 Audio In 200W RMS HiFi amplifier on 4ohms speaker
- The amplifier must be supplied with a symmetrical continuous voltage, not regulated, of +/- 40 volts approx (must never exceed 50 volts) -To obtain 200Watts RMS, the source must give 10Ampere peak. Filter capacitors should be at least 4700u at 50 volts -The connection cables must be at least 2.5mm2 in section
- To obtain less power, simply decrease the supply voltage. and measure the supply voltage of the TL074, if it gives less than +/- 5.1 volts, cut R21 and R22 in half
- * VERY IMPORTANT *: The speaker (I mean the speakers) MUST be connected to this amplifier through a power inductor that depends on the impedance of the speakers: For a 4 ohm speaker, use a 47uHenries / 10Ampere inductor. For an 8 ohm speaker, the inductor will be 100uH / 5Ampere.
- To make the inductor, visit the page <http://www.pronine.ca/multind.htm> -Based on Sorenson Audio experiment (NOT UCD)

