
Subject: 4-transistor linestage

Posted by [Thrint](#) on Wed, 17 Aug 2005 23:54:22 GMT

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OK, back to the MOSFET cascode buffer. Some nice cascode properties: very low input capacitance. The lower device is screened by the upper, and it (globally) is acting as a buffer/source follower. Instead of rigging the lower gate to the current set resistor(as in a CCS), it is the input from the volume control. Current is regulated by a full-circuit CCS on a negative rail. +/- 25 volts should be adequate. 5-10 uF of coupling cap, and at low voltage. Always wondered what a good L-C filter in a SS amp's power supply would do. Of course, we'll need two of them for the bi-polar rails. Of course, we'll do rectification with vacuum diodes, preferably IDH cathodes, like 6AX4's. The trouble is that my sleeve of DN2540N5 MOSFET's dissappeared in my move.....(along with my coffee can full of salvaged photo flash caps from disposable cameras. regards, Douglas
