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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 disappeared in my move.....:( along with my coffee can full of salvaged photo flash caps from disposable cameras. regards, Douglas

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