

Re: emitter followers / Darlington – need help

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mrdarrett@xxxxxxxx wrote:
(snip)

Basically just trying to learn. I'm using a lamp for now... once it works properly, I'll use my motor, with capacitors to smooth out the power.

Not a good idea to smooth the output from a mosfet switch with a capacitor. The capacitor charges up to almost the same voltage, regardless of the pulse width. Better to put a diode across the motor, and let the motor's inductance average the pulses. This may require a higher pulse frequency to get a smooth rotation. If you want to try a capacitor across the motor, you will need some additional inductor between the mosfet and the parallel motor and capacitor, with the catch diode moved to the drain, instead of being across the motor.

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