

Re: Transistors

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On a sunny day (Sun, 18 Nov 2007 09:09:36 -0800 (PST)) it happened Winfield Hill <hill@xxxxxxxxx> wrote in <c6715fdf-9c29-4f67-a00b-6e0279b827a7@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>:

I was sort of looking at a different output a bit like your class A,

<ftp://panteltje.com/pub/amp1.jpg>

This is classic and has about 50 Ohm output.
Have only simulated DC... have to find some transistors.
What do you think of the output stage?
(Never mind the rest I just filled in what I felt like).

That's a good example of a circuit that will get into serious trouble above 100kHz or so... No good way to rapidly turn off the unused transistors.

.....OK, :-) if you say so.

Oh well, I had to import some Zetex spice models in swcad, and these are not the ones I want. I get 30 degrees phase shift at 10MHz, with 250MHz ft transistors, there are much better ones.

Removed some stuff too (makes little difference).

ftp://panteltje.com/pub/amp1_ac.jpg

It does not have so many, what do you call it, 'ripples' as that chip.

I am sure with the right transistors this will do 50MHz.

Actually I used it in the past several times.... for other things.

So what do you have against that configuration?

This is with lower emitter resistors:

ftp://panteltje.com/pub/amp1_ac2.jpg

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