# Re: current−mode opamps

***Source:*** http://sci.tech−archive.net/Archive/sci.electronics.design/2008−02/msg03312.html

- *From*: Tom2000 <abuse@xxxxxxxxxxxx>
- *Date*: Mon, 25 Feb 2008 15:15:33 −0800

On Mon, 25 Feb 2008 13:53:12 −0800, John Larkin
<jjlarkin@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

> On Mon, 25 Feb 2008 09:44:33 −0800, Tom2000 <abuse@xxxxxxxxxxxx>
> wrote:
>
> > On Sun, 24 Feb 2008 19:07:18 −0800, John Larkin
> > <jjlarkin@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:
> >
> > > At G=2, 100 ohm load, they suggest that both resistors be
> > > 715 ohms for
> > > good large−signal performance. Playing with the resistors
> > > changes
> > > transient response but doesn't much affect the apparent 10 pF
> > > input
> > > capacitance.
> > >
> > > The eval board, and the S−params setup, effectively drive the
> > > ni input
> > > from a 25 ohm source. The frequency response curves are
> > > unclear on
> > > what the generator source impedance may be. They give
> > > inverting and ni
> > > curves small−signal, but the large−signal stuff is all
> > > inverting. Are
> > > they trying to hide the actual performance?
> > >
> > > TI is beginning to disappoint me.
> > >
> > > John
> >
> > John, have you had a chance to compare the TI CFBs with the AD

> versions?
>
> (Great thread, by the way...)
>
> Thanks,
>
> Tom

> The ADI parts are great if you don't need a lot of voltage swing. We use AD8009's, 8014's, 8001's, all great parts without quirks.
>
> The TI's have insane slew rates and bandwidth with +−7.5 or even +−15 rails, like nothing else I know of.
>
> TI also makes some insanely fast fixed−gain amps, THS4302 and 4303.
>
> John

Thanks, John. Great info. I'm keeping this whole thread for reference.

Tom

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