

Re: current-mode opamps

19:07:18

-0800,

John

Larkin

<jjlarkin@xx>

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,

Re: current-mode opamps

effectively
drive
the
input
from
a
25
ohm
source.
The
frequency
response
curves
are
unclear
on
what
the
generator
source
impedance
may
be.
They
give
inverting
and
curves
small-signal,
but
the
large-signal
stuff
is
all
inverting.
Are
they
trying
to
hide
the
actual
performance?

TI
is
beginning
to

Re: current-mode opamps

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

Re: current-mode opamps

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

Today's experiments suggest that the "fake
capacitance" at the THS3201
input is different depending on the polarity
you happen to be slewing.
Even more fun!

We're looking into output stages that use
discrete GaAs fets.

John

Are your supplies symmetrical or do you use it single
supplied?

$+7.5$ and -5.5 , so we can make anything from TTL to ECL output levels.
But that shouldn't affect input impedance symmetry.

John

Re: current-mode opamps

Not so dummy, when you screw the TTL logic with wrong level you screw your output as well. What planet are you from?

We speak English here. What planet are you from?

John

.