

Re: Current source design (tricky?)

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-03/2196.html>

From: Larry Brasfield (donotspam_larry_brasfield_at_hotmail.com)

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"Fred Bloggs" <nospam@nospam.com> wrote in message
news:4233667E.2030008@nospam.com...

>

[Content-free content cut.]

> *Go back and read the LM8261 datasheet– it is in fact the Miller effect that is exploited to achieve the gain and phase margin with*

> *capacitive loading– and it works exactly the opposite of your bs explanation by moving the internal dominant pole to a higher*

> *frequency and not a lower frequency.*

[Content-free content cut.]

> *Here are your exact words where you state the LM8261 is an example of a class of OA's that drop their GBW– which is clearly wrong:*

>

> *"A number of op–amps on the market today are*

> *very tolerant of capacitive loading because they*

> *have a feature whereby that loading causes the*

> *gain–bandwidth of the part to drop, almost in*

> *proportion to the loading, such that the extra*

> *pole remains far enough above the unity gain*

> *crossover frequency that stability is preserved.*

> *The LM8261 suggested by Mr. Hill is a good*

> *example of this class.*

I will agree that the LM8261 is not a good example of the class I had in mind. When I wrote that, I had assumed, incorrectly, that it used the same principle as the LT1812 and like devices, which do operate as I have described elsewhere in this thread.

> *Adding a load isolation resistor to the output*

> *tends to defeat that feature, so I would not*

> *add it unless using an op–amp without that*

> *bandwidth reduction feature."*

>

> *As usual with NG trolls– you just want to talk and talk and talk....you will never produce anything substantial– at*

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> *least you're consistent with the rest of your life.*

You know nothing about the rest of my life and your pretense that you do confirms that you are a sick individual. With a simple patent search, you would quickly learn the falsity of your conjecture.

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--Larry Brasfield
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Above views may belong only to me.