

Re: OPA349 spice model acting weird

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-07/msg00760.html>

- *From:* "Helmut Sennewald" <helmutsennewald@xxxxxxxxxxx>
 - *Date:* Wed, 6 Jul 2005 20:43:58 +0200
-

"Jim Thompson" <thegreatone@xxxxxxxxxxx> schrieb im Newsbeitrag

<news:po7oc1d0936ie3g6h16r3f5jks2u7fvgqi@xxxxxxxxxxx>

> On Wed, 6 Jul 2005 20:02:37 +0200, "Helmut Sennewald"

> <helmutsennewald@xxxxxxxxxxx> wrote:

>

>>"Tom (at tomsweb.net)" <tomtorfs@xxxxxxxxxxxxxxxxxxxx> schrieb im Newsbeitrag

>><news:1120650714.692137.269580@xx>

>>>> > I tried the model with LTspice and see the same problem as you

>>>> > have described. I recommend you write a letter to AD.

>>>> Sorry, it's TI and not AD,

>>>>

>>>> TI just confirmed that their model is crap (actually I would prefer

>>>> them not offering a model at all in that case!).

>>>>

>>>> --snip--

>>>> You were requesting the information about OPA349 Spice macro model. Our

>>>> OPA349 macromodel is not a very good one. It was written 5 years ago

>>>> and I've found that it does have some problems (Especially Low Voltage

>>>> problems,less than 3Volts) .Sorry for the inconvenience caused.

>>>>

>>>> You might want to consider using the TLV2401 device and the

>>>> specifications are almost similar to OPA349. The TLV2401 device has a

>>>> Spice model and it can be downloaded from TI website

>>>> (<http://focus.ti.com/docs/prod/folders/print/tlv2401.html#productmodels>

>>>>).

>>>> --snip--

>>>>

>>>> I'm now simulating with the TLV2401 model, which works. However, the

>>>> real circuit will use a OPA349, because my supply is less than 2.5V

>>>> (the minimum for TLV2401).

>>>>

>>>> greetings,

>>>> Tom

>>>>

>>>>Hello Tom,

>>>>

>>>>thanks for this information. I will keep this message in my folder.

>>>>

>>>>It sounds like TI will not spend any money/time to correct

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>>this model. What a bad service to their customers when I assume
>>that they eventually know since 5 years that the model is wrong.
>>
>>Best regards,
>>Helmut
>>
>
> They (and others :) are not willing to spend the money it takes to
> derive a good model.
>
> But that provokes a question to you... Would you PAY for a good
> model?
>
> ...Jim Thompson

Hello Jim,

I expect for standard parts that the manufacturer provides the model. If not then I would firstly try to make my own model before I spend money for unknown quality.

Best regards,
Helmut

• ***Follow-Ups:***

- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Jim Thompson*

• ***References:***

- ◆ ***OPA349 spice model acting weird***
◇ *From: Tom (at tomsweb.net)*
- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Helmut Sennewald*
- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Helmut Sennewald*
- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Tom (at tomsweb.net)*
- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Helmut Sennewald*
- ◆ ***Re: OPA349 spice model acting weird***
◇ *From: Jim Thompson*

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