
Subject: Re: value_locate.pro location in IDL library
Posted by [David Fanning](#) on Wed, 13 Sep 2006 21:36:49 GMT
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ZMY writes:

> I am trying to use GDL to do some of my work and noticed it was
> reporting a missing function of value_locate(). I looked for this
> procedure/function in IDL library but can't find it, which is really
> strange to me, since a lot of functions seem to use it in IDL (e.g.
> mean()). Would any one tell me where I can find this function in the
> computer?

It is built into IDL. Whoops! I mean built into the *real* IDL. :-)

Cheers,

David

P.S. I'm not against free software. In fact, I've been using
some (Audacity) to edit some science radio stories I've been
working on. It's just that when things go wrong, your screams
feel particularly pathetic. :-(

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: value_locate.pro location in IDL library
Posted by wlandsman@jhu.edu on Thu, 14 Sep 2006 02:12:19 GMT
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ZMY wrote:

> I am trying to use GDL to do some of my work and noticed it was
> reporting a missing function of value_locate(). I looked for this
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> strange to me, since a lot of functions seem to use it in IDL (e.g.
> mean()). Would any one tell me where I can find this function in the
> computer?
>

VALUE_LOCATE was introduced as an intrinsic IDL function in IDL V5.3,
but at the time Craig Markwardt wrote a clever non-intrinsic version
for backwards compatibility with pre-V5.3 IDL versions. It is still
available at

http://cow.physics.wisc.edu/~craigm/idl/down/value_locate.pro

However, Craig's version uses SPL_INTERP so it will only work for you, if GDL has implemented SPL_INTERP... (There are also slower implementations that don't use SPL_INTERP.)

--Wayne

Subject: Re: value_locate.pro location in IDL library
Posted by [IDL_Newbie_2000](#) on Thu, 14 Sep 2006 05:57:27 GMT
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Thanks, Wayne and David. The information is very helpful. Craig's value_locate.pro still doesn't work since spl_interp is not built into GDL yet (as far as I can tell for version 0.9). I will just wait and use IDL instead.

BTW, I just started to use GDL and IDL student version the same time. My hope is by using GDL, maybe I can force myself to know more about IDL in addition to just use "plot,x,y..."

Best,

Zhonghua

wlandsman@jhu.edu wrote:

> ZMY wrote:
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>
> VALUE_LOCATE was introduced as an intrinsic IDL function in IDL V5.3,
> but at the time Craig Markwardt wrote a clever non-intrinsic version
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> implementations that don't use SPL_INTERP.)
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> --Wayne

Subject: Re: value_locate.pro location in IDL library
Posted by [badjelly.witch](#) on Fri, 15 Sep 2006 03:38:07 GMT
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ZMY wrote:

> Thanks, Wayne and David. The information is very helpful. Craig's
> value_locate.pro still doesn't work since spl_interp is not built into
> GDL yet (as far as I can tell for version 0.9).

Surely you could patch in an alternative interpolation routine. Linear interpolation would be adequate in many cases.
