
Subject: Re: arbitrary precision in IDL?

Posted by [wlandsman](#) on Tue, 27 Jul 2010 17:05:19 GMT

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On Jul 27, 12:10 pm, "futre.keyboard" <future.keybo...@gmail.com> wrote:

> hi, all

>

> I am wondering if there is a way to do arbitrary precision calculation

> with IDL.

I haven't tried them but type in "arbitrary precision" into the ITTVIS code contribution library

(<http://www.itvis.com/UserCommunity/CodeLibrary.aspx>) to find two DLMS written by Ron Kneusel, one for integer arithmetic and one for floating point. (I still haven't figure out how to direct link to a particular code contribution...) --Wayne

Subject: Re: arbitrary precision in IDL?

Posted by [futre.keyboard](#) on Wed, 28 Jul 2010 20:45:03 GMT

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Thanks for the link. It is very helpful. I was able to rebuild the dlm on windows 7 with vc 6. And it's working! The only catch is that I have to use 32bit IDL. I guess I can live with it for now. Thanks Ron for contributing such wonderful code and I hope there will be a more up-to-date version that supports 64bit platforms.

cheers,
fkey

```
IDL32> print, mp_convert(mp_const_pi(),/full_precision)
3.1415926535897932384626433832795028841971693993751058209749
4459230781640628620899862803482534211706807E0
IDL32> print, mp_convert(mp_new(mp_convert(mp_const_pi()),type=5,/
full_precision),precision=p),/full_precision)
3.1415926535897931159979634685441851615905761718750000000000
0000000000000000000000000000000000000000000000000000000E0
```

On Jul 27, 10:05 am, wlandsman <wlands...@gmail.com> wrote:

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> wrote:

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