
Subject: precision of pi
Posted by [Jorn Helbert](#) on Wed, 03 Jul 1996 07:00:00 GMT
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Hi,
a simple question:
Is there any way to enhance the precision of !pi or !dpi. 5 or 8
significant digits are really not much.

cheers
jorn

--
Joern Helbert

Space and atmospheric physics group
Imperial College - London
phone: 0171 594-7898

Subject: Re: precision of pi
Posted by [dan](#) on Wed, 03 Jul 1996 07:00:00 GMT
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In article <31DA5CAA.3D0D@ic.ac.uk>, Jorn Helbert <jorn@ic.ac.uk> writes:

|> Hi,
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|> --
|> Joern Helbert
|>
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|> phone: 0171 594-7898

I type

```
IDL> print,!dpi,format='(f50.40)'  
3.1415926535897931159979634685441851615906
```

Looks to me as though you've got 16 good digits.

--

** Dan Bergmann dbergmann@llnl.gov **
** Atmospheric Science Division fax (510) 422-5844 **
** Lawrence Livermore National Lab human (510) 423-6765 **

Subject: Re: precision of pi
Posted by [djackson](#) on Fri, 12 Jul 1996 07:00:00 GMT
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In article <31DA5CAA.3D0D@ic.ac.uk>, Jorn Helbert <jorn@ic.ac.uk> wrote:

> Hi,
> a simple question:
> Is there any way to enhance the precision of !pi or !dpi. 5 or 8
> significant digits are really not much.

I think the precision is there, but these examples will show how to display it:

```
IDL> print,!dpi  
3.1415927
```

```
IDL> print,!dpi,format="(F20.18)"  
3.141592653589793100
```

Cheers,
-Dick

Dick Jackson djackson@ibd.nrc.ca Institute for Biodiagnostics
Opinions are mine alone. National Research Council Canada, Winnipeg
"And I told him my dream was to live for all time
In some perfect refrain, like the man who wrote 'Danny Boy'."
- Joe Jackson, from the album _Night_Music_, 1994.
