
Subject: Re: sin() function in IDL 4.0.1

Posted by [chs11](#) on Fri, 16 Feb 1996 08:00:00 GMT

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In article <311F6435.143A@eso.org>, Miska Le Louarn <lelouarn@eso.org> wrote:

> Hello,

> I just found an interesting behaviour of the sine function:

> when I ask IDL (4.0.1) to calculate sin(pi) here is what I get:

>

> IDL> print,sin(!Dpi)

> 1.2246064e-16 ; This should be 0.0000... (?)

If you want to see something even more interesting, try this...

IDL> plot,sin(dindgen(1000)*!Dpi)

or even worse...

IDL> plot,sin(dindgen(1000)*1e20*!Dpi)

This is quite troublesome.

Carl
