
Subject: Re: IDL strplit : split a decimal number

Posted by [Paolo Grigis](#) on Wed, 07 Jul 2004 15:41:48 GMT

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mwvogel wrote:

> Alternatively, you could use the format syntax

>

> IDL> PRINT, '['+STRSPLIT(STRING(DOUBLE(!pi), FORMAT='(D)'), ' ',

> /EXTRACT)+']'

> [3] [1415927410125732]

But, last time I checked, pi was equal to 3.14159265358979323846...
try !dpi instead.

It is slightly confusing, however, that IDL

IDL> print,!dpi,format='(D50.40)'

3.1415926535897931159979634685441851615906

makes up some nonsense digits after reaching the machine precision
limit.

I guess I would have preferred a "simpler" output like

3.141592653589793000000000000000000000... when one can easily
spot that the double precision limit is reached at the 15th
digit.

Cheers,
Paolo
