Subject: Re: IDL strplit : split a decimal number
Posted by mwvogel on Wed, 07 Jul 2004 16:08:32 GMT
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"Paolo Grigis" <pgrigis@astro.phys.ethz.ch> schreef in bericht
news:40ec199f$1@pfaff2.ethz.ch...
>
> It is slightly confusing, however, that IDL
>
> IDL> print,!dpi,format='(D50.40)'
> 3.14159265358979311599796346854418516159 06
>
> makes up some nonsense digits after reaching the machine precision
> limit.
>
> I guess I would have preferred a "simpler" output like
> 3.14159265358979300000000000000000000... when one can easily
> spot that the double precision limit is reached at the 15th
> digit.
>

Now, this is what happens on my machine { x86 (AMD Athlon) Win32 Windows 5.4
Sep 25 2000 32 64} :
IDL> print,!dpi,format='(D50.40)'
3.14159265358979310000000000000000000000000

Alternatively, I think RSI has made the E format specifier to limit the
number to machine precision.
IDL> print,!dpi,format='(E)'
3.1415926535897931E+000