
Subject: Re: Grumbling about setting double precision

Posted by [Kenneth P. Bowman](#) on Wed, 21 Dec 2011 14:20:24 GMT

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In article <31663559.520.1324400314865.JavaMail.geo-discussion-forums@yq dj19 >, wlandsman <wlandsman@gmail.com> wrote:

> I am converting a Python program to IDL which includes several hundred double
> precision data values. In Python the data values are written as follows:

>

> a = [2721.64363164731, -1615.73035059635]

>

> As described by David Fanning in

> http://www.idlcoyote.com/math_tips/double.html to make these double precision

> in IDL, it is not enough to convert the vector to double

>

> IDL> print,double(a),f='(2f18.10)'

> 2721.6435546875 -1615.7303466797

>

> and it is not enough to put a "d" at the end of one of the values

>

> IDL> a = [2721.64363164731d, -1615.73035059635]

> IDL> print,double(a),f='(2f18.10)'

> 2721.6436316473 -1615.7303466797

>

> Instead, I must spend an hour in my editor putting a "d" at the end of every
> single data value.

>

> But it would sure be nice to be able to somehow tell the IDL compiler to
> interpret numeric values as double precision. --Wayne

You could replace "," with "D," and replace "]" with "D]".

That should only take a minute or two with find and replace.

Ken
