
Subject: Re: Type of array to store large numbers
Posted by [Sir Loin Steak](#) on Fri, 25 May 2012 13:07:42 GMT
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On May 25, 1:58 pm, Fab <fabien.mauss...@gmail.com> wrote:

> On 05/25/2012 02:50 PM, Sir Loin Steak wrote:

>

>> Hi all

>

>> I have a lot of numbers that have high precision (such as 401.4798584)

>> and I am trying to find what sort of array to use to store these

>> values. Can anyone help? I've tried floats, doubles etc, and none keep

>> the precision to more than 5 d.p. Am I missing something obvious, or

>> is what I'm after impossible?!!

>

> What do you mean with "keep" the precision?

>

> IDL> f = 401.4798584

> IDL> d = 401.4798584d

> IDL> print, f

> 401.480

> IDL> print, d

> 401.47986

> IDL> print, f, FORMAT='(F12.8)'

> 401.47985840

> IDL> print, d, FORMAT='(F12.8)'

> 401.47985840

>

> http://www.idlcoyote.com/math_tips/sky_is_falling.html

>

> Cheers

Sorry, what I meant was I want to write the data to a file for another program to read, but the data were always output in the form 401.480. I never thought about specifying with a format statement! I'll give it a go now.

Thanks for the help.
