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Subject: Re: Recognizing double precision?

Posted by [edward.s.meinel@aero](mailto:edward.s.meinel@aero) on Tue, 09 Oct 2007 15:11:24 GMT

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On Oct 8, 9:18 am, wlandsman <wlands...@gmail.com> wrote:

> Bob, Bringfried,

>

>> Well, to play devil's advocate, the programmer should not let the

>> user input single precision data in such a case.

>

> Except that single precision or even a long integer (e.g. 2441636)

> \*could\* be valid, if the user was not interested in fractional

> days. I agree that it is probably safest to force the user to

> input double precision, but this does not feel like the "IDL way".

> Thanks, --Wayne

Actually, it gets rounded:

```
IDL> jd = 2441636.1
```

```
IDL> print, jd, f='(f10.2)'
```

```
2441636.00
```

```
IDL> jd = 2441636.9
```

```
IDL> print, jd, f='(f10.2)'
```

```
2441637.00
```

You're right, that is not a good thing. Mathematica has been doing it correctly for a long time, why can't IDL?

Ed M

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