

## Re: 80 bit precision ?

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Terry Reedy a écrit :

> [...]

> Last I read, in CPython, the float type encapsulates a C double.

> So, does any C compiler implements doubles as 80 bit floats?

I seriously doubt it.

> Or, if it has 64 bit

> doubles and 80 bit long doubles, are the latter transparently

> substitutable for the former, so that you could change Python's

> float declaration and have everything work as expected? (I am

> not sure of either.)

Mmmmmm ... the python C code implementing the math module is probably not that polymorphic <wink>. Even a call to "sqrt" does not work as expected if the argument is a long double. "sqrtl" should be use instead.

Cheers,

SB

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• *References:*

◆ *Re: 80 bit precision ?*

◇ *From:* Terry Reedy

- Prev by Date: *Re: replace text in unicode string*
- Next by Date: *Multiple "cmp"s chained one after another*
- Previous by thread: *Re: 80 bit precision ?*
- Next by thread: *Python in the news, somewhat*
- Index(es):
  - ◆ *Date*
  - ◆ *Thread*