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Subject: Re: rounding errors

Posted by [Alex Schuster](#) on Fri, 27 Apr 2001 10:52:08 GMT

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"Dominic R. Scales" wrote:

- > What gives? Is there any numerical math guy/gal out there
- > who can tell me how this happens? It seems to me, that
- > the accuracy of the second/third cast ist WAY off.
- >
- > a=double('2.56989')
- > b=double( 2.56989 )

You just have to define the 2.56989 as a double: b = 2.56989d :)

Remember that the floating point value 2.56989 is not the same as the real number 2.5698900000000000..., but just some value around 2.5698900. Converting it to a double introduces more digits to the right, but they are pretty random.

Alex

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