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Subject: Re: Inaccuracies

Posted by [hahn](#) on Tue, 14 Nov 1995 08:00:00 GMT

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Andy Loughe <afl@cdc.noaa.gov> wrote:

> Ok, I am sure this has been discussed before, but let  
> me start this thread again. I wish to create a 15-element  
> vector which contains the numbers -1.4 to 1.4 by an increment  
> of 0.2 I also wish the sum of these elements to be zero  
> (No, this isn't the new math). Here is what I tried...

[remainder deleted]

All you must do is to avoid decimal fraction because our computers use binary fractions and truncate the number. Thus you may either multiply each number by a factor large enough to get an integral number and divide when you print/plot the results or you treat 0.2 as 1/5 and work on that. I guess this is what packages such as Mathematica or Maple do.

Norbert Hahn

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