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Subject: converting floats to doubles

Posted by [Benjamin Hornberger](#) on Fri, 20 May 2005 19:14:43 GMT

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Hi computation gurus,

is `dblarr(n)` equivalent in precision to `double(fltarr(n))`? I know that in a case like `sqrt(dblarr(n))` vs. `double(sqrt(fltarr(n)))`, they are not equivalent (the second version is not true double precision). But I thought when I start with whole numbers anyway, it might be the case.

In other words, when a floating point number is converted to double, are the additional digits always set to zero, or is it possible that they aren't? I tried it out by printing some numbers, and it looks like they add only zeroes, but I would be happy if the experts could confirm.

Thanks for any insight,

Benjamin

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