
Subject: Re: machine precision

Posted by [Wout De Nolf](#) on Mon, 18 May 2009 13:55:25 GMT

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On Mon, 18 May 2009 07:30:42 -0600, David Fanning <news@dfanning.com> wrote:

> I think the MACHAR values *do* reflect this. But the point
> is, when you compare two numbers that are nearly equal
> to each other, the *difference* can easily happen in
> the significant digits that can be garbage (or, rather,
> undefined) in a floating point number. That is to say,
> the difference can be in the part of the number that is
> beyond the realm of floating point accuracy.

If "the difference is in the garbage", isn't it lower than
(machar()).eps ? In the example, it's higher.
