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Subject: Re: Floats

Posted by [Liberum](#) on Fri, 10 Mar 2006 09:29:01 GMT

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Boy, you guys really went off on this issue. But it is good.

Much is revealed about IDL, the art of programming, and, an added extra, the personalities of the writers :)

To answer an earlier question of why I asked. Well, maybe I am just too curious about things :)

I used Matlab before and it had the possibility to limit the precision.

But I could not control it too much.

I am working with a large number of arrays and averaging millions of pixel values. As a result I am getting rounding errors.

I stop the program here and there and check the data at different points. As such I only want a precision to the nearest hundreth.

It makes for quick assessment. Silly but, I am still learning :)

I need to understand more fundamental things about ROUND, FIX, FLOAT, and LONG so as to eliminate some of these annoying errors. (Thanks

David for the info)

Using double precision seem to be the next step for me.

/Sheldon

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