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 fundemental things about ROUND, FIX, FLOAT, and LONG so as to eliminate some of these annoying errors. (Thanks David for the info)

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

/Sheldon