Subject: Re: Inaccuracies
Posted by Andy Loughe on Tue, 14 Nov 1995 08:00:00 GMT
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- > L. Paul Mix wrote:
- > I'm not sure what you want to do, but expecting perfect math with
- > floats is not generally possible.

I accept the explanation given by Ken Bowman, but it is hard to explain the values assigned to

- (1) findgen(15)*.2 -1.4 versus
- (2) dindgen(15)*(.2D)-(1.4D)
- (3) and, taken separately, the results of using the total function on (1) and (2) matched with the ability to perform "perfect math" with only 13 values.

I am describing a small permutation of inaccuracies here, (1) looks ok, but (2) does not. total((1)) and total((2)) are not accurate for the reasons given by Ken.

BTW one IDL user indicated that there was *no* trouble with this math on his VMS system! Now that is interesting.

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