
Subject: Re: Bug in WAVE/WAVE Advantage Routine SUM

Posted by [thompson](#) on Thu, 03 Feb 1994 00:00:27 GMT

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black@signal.dra.hmg.gb (John Black) writes:

> We've just got WAVE v4.20 & WAVE Advantage v1.0 & I've spotted the VNI people
> have still not fixed a bug in the routine SUM. (The bug might exist in IDL
> as well).
>

Mea culpa. I was the original author of SUM. Actually, in IDL it is no longer needed, since the RSI folks modified TOTAL to include this capability. The only difference is that in TOTAL the dimensions are specified as 1 -> N whereas I had the dimensions as being from 0 -> (N-1).

I don't use SUM any more, and I don't believe it's distributed with IDL these days. Actually, it's been a while since I've used the version that apparently is still distributed with PV-WAVE, since I later wrote a much faster version that used CALL_EXTERNAL to execute FORTRAN code to do the same thing. Now though, I simply have SUM as a pointer to TOTAL so that old code will still work.

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