Posted by wlandsman on Wed, 19 Jan 2011 01:36:02 GMT

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On Tuesday, January 18, 2011 7:52:45 PM UTC-5, Matthew Francis wrote:
> I've been using the PROFILER to track down why some code was a bit
> slow and found that it was spending most of its time in the MEAN
> function (and then within that, in the MOMENT function called by
> MEAN).
>
In IDL 8.0, MEAN no longer calls MOMENT but does the calculation itself using code similar to
your MEAN_QUICK.   (This is part of the upgrade that also added a DIMENSION keyword.)

But I don't see anything inefficient about the earlier code which called MOMENT().   In fact, I find
the same processing times whether using MEAN_QUICK, the pre-8.0 MEAN(), or the V8.0
MEAN().   (My test consisted of taking the mean of a 5000 x 5000 randomn array with selected
values set to NAN.)

--Wayne