
Subject: Re: how to get the index of the maximum element in each row for a 2D matrix efficiently

Posted by [henrygrove](#) on Sat, 30 Aug 2003 20:33:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

>
> Starting with v5.6, MAX will do this for you with its own DIMENSION
> keyword. Remember that in IDL dimensions start, perversely, with 1,
> as opposed to everything else, which is 0 based. As of now we can
> thread the following:
>
> TOTAL
> PRODUCT
> MIN
> MAX
> MEDIAN
>
> The only remaining operators I wish could be dimensionally threaded in
> this way are AND, OR, and especially the new && and ||
> short-circuiting ops.
>
> JD

Standard deviation or variance is also a useful function; e.g. if you have a stack of images and want the stdev in each pixel. (I wrote a bunch of call_external fortran routines to do all these before v5.6; I think stdev_in_1d is the only one that has not been made redundant.)
