Subject: Re: Anisotropic smoothing operations
Posted by Craig Markwardt on Thu, 26 Apr 2001 18:41:01 GMT
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Ben Tupper <pemaquidriver@tidewater.net> writes:
...
>
> That's a good idea. I'm not sure how to implement it in my situation.
>
> I am using a routine for building a 2d grid from scattered data.
> The grid is initialized with a user defined MISSING value (in my
> case, NAN.) The data is sprinkled over the grid then smoothed with
> the moving boxcar. This sprinkle/smooth sequence is repeated a
> number of times. Using SMOOTH, the NANs are replaced by (real)
> smoothed values as the influence of the scattered data values grows
> outward. It is possible (likely) that there will be NANs remaining
> on the grid after the sprinkle/smooth iterations have been
> completed. These areas will be in the regions of the grid where the
> original data values are sparse. That is the effect I would like to
> achieve.

Question by an idiot: couldn't you use KRIG2D/TRIANGULATE/TRIGRID for this? They're designed to take irregular points to a regular grid and filling in the gaps.

Craig

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Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
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