Subject: Re: GridData Conundrum
Posted by ben.bighair on Thu, 22 Apr 2010 12:35:22 GMT

On Apr 21, 3:23 pm, David Fanning <n...@dfanning.com> wrote:
> David Fanning writes:
>> Just one more surprise to report. If I use the GridData
>> Natural Neighbor method (instead of the Nearest Neighbor
>> method), the result is indistiguishable from the Contour
>> method!
>
>> I've updated my web page to report the new results:
>
>>   http://www.dfanning.com/code_tips/usegriddata.html
>
> Having GridData working is like living in the land of
> milk and honey. But there is one disturbing fact that
> lurks like a snake in the garden. I get different
> results from GridData depending upon what machine
> I run the identical code on. :-(
>
> In particular, the Modifed Shepard's algorithm blows
> up (no other way to describe it) on my Windows 64-bit
> machine, while it seems to work reasonably well on
> my 32-bit LINUX machine.
>
> Can anyone think of any reasonable explanation for this?
> I show some results at the end of this article:
>
>   http://www.dfanning.com/code_tips/usegriddata.html
>

Hi David,

It doesn't look to me like you are running the coordinates through
GRID_INPUT before passing them to GRIDDATA. In the past I found that
(generally) removed all subsequent potholes from the GRIDDATA process.

Cheers,
Ben