
Subject: Re: Fast way to collapse data cube with median
Posted by [David Fanning](#) on Tue, 09 Jul 2013 16:22:15 GMT
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Stefan writes:

> I am doing a lot of image processing and very often I have a data cube
like with the x/y axes corresponding to image coordinates and the z
component corresponding to the individual images.

>

> I simply want to calculate the median at each pixel stack and so far I always loop through all
pixels and determine the median for each stack. This, of course, can be quite slow for large
images since it involves two loops and I was wondering if someone here might have a fancy idea
of how to collapse such a cube faster.

medianValuesOfArray = Median(cube, DIMENSION=3)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
