
Subject: Re: Neither CONGRID nor REBIN...?

Posted by news.verizon.net on Wed, 17 May 2006 17:52:11 GMT

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The /INTERP keyword to CONGRID does use linear interpolation but as the documentation notes:

REBIN averages multiple points when shrinking an array, while CONGRID just resamples the array.

For example, if you are shrinking to a size that is an exact multiple (e.g. from 500 x 500 to 100 x 100) then adding the /INTERP keyword to CONGRID does absolutely nothing, since each pixel in the output image can be precisely mapped to a pixel on the input image. If you are not shrinking to an exact multiple of the input size (e.g. 500 x 500 to 99 x 99), then /INTERP provides more precise sampling, but still only samples every ~5th pixel rather than averaging.

--Wayne
