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

Posted by [Wayne Landsman](#) on Wed, 17 May 2006 10:29:34 GMT

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"greg michael" <greg.michael@gmail.com> wrote in message
news:1147859650.649956.118330@i40g2000cwc.googlegroups.com.. .

>

> I want to reduce an image by an arbitrary factor and have that it still
> looks ok - i.e. the pixels should be somehow averaged, not just
> sampled. CONGRID can handle the arbitrary part and REBIN the averaging
> part, but neither both. Anyone know a simple solution?

You might try the function frebin.pro in

<http://idlastro.gsfc.nasa.gov/ftp/pro/image/frebin.pro>

From the documentation

; EXPLANATION:

; FREBIN is an alternative to CONGRID or REBIN. Like CONGRID it
; allows expansion or contraction by an arbitrary amount. (REBIN requires
; integral factors of the original image size.) Like REBIN it conserves
; flux by ensuring that each input pixel is equally represented in the
output

; array. The fact that frebin.pro conserves flux might be overkill
for you since you just want to ensure that the reduced image looks OK. But
image reduction should run pretty quickly.--Wayne Landsman
