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Subject: rebin vs congrid

Posted by [greg.addr](#) on Tue, 22 Jul 2014 14:12:14 GMT

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The documentation says rebin is somewhat faster than congrid, but it doesn't seem to be true (at least, not for upsizing)...

```
pro tmp_rebin_vs_congrid
  sz=[5000L,5000L]
  f=8
  a=findgen(sz)
  t=tic("rebin")
  b=rebin(a,sz[0]*f,sz[1]*f,/sample)
  toc,t
  t=tic("congrid")
  c=congrid(a,sz[0]*f,sz[1]*f)
  toc,t
end
```

```
IDL> tmp_rebin_vs_congrid
% Time elapsed rebin: 4.6150000 seconds.
% Time elapsed congrid: 1.9849999 seconds.
IDL>
```

cheers,  
Greg

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Subject: rebin vs congrid

Posted by [Chip Helms](#) on Thu, 24 Jul 2014 16:58:43 GMT

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My guess is that the variables are being stored to memory during the rebin call and so are already available in memory during the congrid call. If you run the test again without resetting after the first run I would guess the times will likely end up closer. That said, I'm perfectly prepared to be wrong. Heh

Cheers,  
Chip

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