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Subject: Re: Gridding options  
Posted by [tclement](#) on Wed, 30 Aug 2000 07:00:00 GMT  
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In article <onhf82y1wb.fsf@cow.physics.wisc.edu>, [craigmnet@cow.physics.wisc.edu](#) wrote:

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> "J.D. Smith" <jdsmith@astro.cornell.edu> writes:  
>  
>> tt=total(a[(((dy=((di=lindgen(((n=nx<ny)),nx+ny-1))))/n))*(nx gt ny?1:nx)+ $  
>>      (nx gt ny?1:-1)*((dx=di mod n))*(nx-1))>0<(nx*ny-1)]* $  
>>      (dy ge dx AND (dy-dx) lt nx>ny),1)  
  
>  
> Todd, did you compare the run time?  
>
```

I did, (only after I read your post responding to someones post responding to that...my news server seems to only get about 30% of the articles posted here, and so I often don't see things until someone else quotes it and I see it then) and the new one is faster, except that it dies at arrays larger than 128x128, and starts giving incorrect values. It seems like just a "short" integer problem, but heck if I can figure out where it might be in there!!

The times are as follows (I'm not sure they mean anything for incorrect results, but here they are anyway):

Array size	New (1 line)	Craig (2 line)
512x512	0.493	0.615
1024x1024	2.531	3.039
2048x2048	10.523	12.89

Todd

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