Subject: Re: image subtraction
Posted by Dick Jackson on Thu, 14 Mar 2002 16:00:44 GMT
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"Kenneth P. Bowman" <kpb@null.com> :
>
>>>> imgArr = lonarr(12,512,512)
>
> Using the methods suggested previously, this is likely to be faster (due
> to better cache use) if you can dimension this array as
>
> imgArr = LONARR(512,512,12)

Good thinking, Ken, if this is an option for Art.
To round out the timings (YMMV):

FOR ii=0,11 DO imgArr[ii,*,*] = imgArr[ii,*,*] - img1 : 1.402 s

FOR ii=0,11 DO imgArr[ii,0,0] = imgArr[ii,*,*] - img1 : 1.232 s

FOR ii=0,11 DO imgArr[*,*,ii] = imgArr[*,*,ii] - img1 : 0.741 s

FOR ii=0,11 DO imgArr[0,0,ii] = imgArr[0,0,ii] - img1 : 0.301 s

A big win there!

For completeness:
imgarr = imgarr - rebin(reform(img1,1,512,512),12,512,512) : 0.210 s

Cheers,
--
-Dick

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