
Subject: Re: help needed to make the program run faster
Posted by [Craig Markwardt](#) on Fri, 09 Sep 2016 14:35:38 GMT
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On Friday, September 9, 2016 at 2:04:57 AM UTC-4, sid wrote:

```
> Hi all,  
> I need to read 500 fits files and do analysis for all this,  
>  
> So im doing like this,  
>  
> file=file_search('*.fts')  
> nn=n_elements(file)  
> for ii=0,nn-1 do begin  
> img=readfits(file(ii),h)  
> ----  
> ---some analysis----  
>  
> endfor  
> end  
>  
> in the analysis part also i have some for loops so the program takes so much time to process  
this job.  
>  
> So can anybody let me know whether any other faster methods are there to do this.
```

This part of the loop should take very little. Try it yourself. Just remove the "analysis" part, and keep the FOR loop and READFITS() parts. You should see it completes pretty quickly. Or if it doesn't, it means you have a lot of data, and you will have to live with it (or get a faster computer and/or hard drive).

This will help you focus your efforts on the analysis parts. There, of course, you will want to vectorize as much as possible.

Craig
