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Subject: Re: Fuzzy searching of FITS header  
Posted by [Gray](#) on Tue, 21 Dec 2010 23:00:36 GMT  
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On Dec 21, 5:23 pm, David Fanning <n...@dfanning.com> wrote:

> Gray writes:  
>> Does anyone have a routine that allows for fuzzy searching of FITS  
>> header keywords? For example, I have a header where I want the value  
>> of the following keywords:  
>  
>> D001DEXP  
>> D002DEXP  
>> ...  
>  
>> I don't know a priori how many of them there are, and it would be nice  
>> to be able to have a parsing program that would let me give 'DEXP' as  
>> a search string and return all of them. Any suggestions?  
>  
> StrPos?  
>  
>> I know I  
>> could construct something that did searches for up to 1000 keywords  
>> (000-999) and aborted when it didn't find anything, but that would  
>> defeat the purpose of IDL vectorization, wouldn't it?  
>  
> It's already vectorized! :-)  
>  
> Cheers,  
>  
> David  
>  
> --  
> David Fanning, Ph.D.  
> Fanning Software Consulting, Inc.  
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>  
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Well, sure. But what I WAS using was SXPARG, which pads the search string w/ spaces and searches 8 characters.

I'm envisioning a routine that uses lists and hashes to return the keyword and value for all keywords that match any number of search strings... do I have the time/energy to write it?

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