
Subject: Re: Identify largish array with a shortish string
Posted by [Jean H.](#) on Wed, 28 May 2008 22:39:51 GMT
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> So do such functions exist and are there any implementations in IDL?

Hash function comes to mind...
en.wikipedia.org/wiki/Hash_function

Jean

Subject: Re: Identify largish array with a shortish string
Posted by [Vince Hradil](#) on Thu, 29 May 2008 00:46:34 GMT
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On May 28, 5:39 pm, Jean H <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:

>> So do such functions exist and are there any implementations in IDL?
>
> Hash function comes to mind...
> en.wikipedia.org/wiki/Hash_function
>
> Jean

Yeah like a crc? But I'm confused as to why you need to encode the information in the filename? You could also just add a timestamp...

Subject: Re: Identify largish array with a shortish string
Posted by [Mark\[1\]](#) on Fri, 30 May 2008 07:34:11 GMT
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On May 29, 12:46 pm, Vince Hradil <hrad...@yahoo.com> wrote:
> Yeah like a crc? But I'm confused as to why you need to encode the
> information in the filename? You could also just add a timestamp...

When I have run the function previously with the same inputs, I want it to restore the old result rather than recalculating it. (Unless I have deleted the temporary file in the meantime.)

Subject: Re: Identify largish array with a shortish string
Posted by [Jean H.](#) on Fri, 30 May 2008 16:10:52 GMT
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Mark wrote:

> On May 29, 12:46 pm, Vince Hradil <hrad...@yahoo.com> wrote:
>> Yeah like a crc? But I'm confused as to why you need to encode the
>> information in the filename? You could also just add a timestamp...
>
> When I have run the function previously with the same inputs, I want
> it to restore the old result rather than recalculating it. (Unless I
> have deleted the temporary file in the meantime.)

you could also have an array linking your set of parameters to file names... save and restore this array each time your call your function, check if the parameter set is written in the array. If yes, read the filename, open, process. If not, create a new filename that is not present in your array, add the name and the parameter set, process, save.

Jean

Subject: Re: Identify largish array with a shortish string
Posted by [Mark\[1\]](#) on Wed, 16 Jul 2008 00:47:08 GMT
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> So I need a way to represent each big numeric
> array (its dimensions and values) in the file
> name with a low probability of another big numeric
> array having the same representation and hence
> causing the function to retrieve the same file
> by mistake.

Function CHECKSUM32 from the IDL Astronomy User's Library seems to meet my needs.
