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Subject: Re: An expression calculator?

Posted by [R.Bauer](#) on Mon, 11 Aug 2003 16:16:24 GMT

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Weimin Wang wrote:

> Hi,all  
>  
> Now i have a simple program written.However,I encounter a problem.A  
> mathematical expression stored as string variable is inputed to my  
> procedure.I want to calculate its value with after parameter are  
> known.Does someone have an experience finishing such a mission?  
>  
> Many thanks in advance.  
>

Dear Weimin

there are several solution possible,

The oldest one ist to use execute. But then the routine won't run by vm or  
rt.

```
a=6  
b=7
```

```
x=execute('result=a+b')  
print,result  
13
```

One other possibility is to write a routine like icgs\_calc.

[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_source/idl\\_html/dbase/icgs\\_calc\\_dbase.pro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/icgs_calc_dbase.pro.html)

One other is to write the string to a function, declare the input variables  
for the function and then call the function by call function.

regards  
Reimar

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Forschungszentrum Juelich

email: R.Bauer@fz-juelich.de  
<http://www.fz-juelich.de/icg/icg-i/>

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a IDL library at ForschungsZentrum Juelich  
[http://www.fz-juelich.de/icg/icg-i/idl\\_icglib/idl\\_lib\\_intro.html](http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html)

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