
Subject: Re: Remote a CCD by a Matrox Frabe grabber
Posted by [fabrice.monti](#) on Fri, 18 Feb 2005 08:51:33 GMT
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thanks to help me...
this is a part of my matlab code:

```
.....  
mydcf= '6703c60.dcf'  
  
loadlibrary('mil', 'mil.h');  
M_default= '10000000';  
M_default= 'hex2dec(M_default);  
  
v= int32(1);  
p_app= libpointer('int32ptr',v);  
calllib('mil', 'MAppAlloc', M_default, p_app);  
  
psys= libpointer('int32ptr',v);  
calllib('mil', 'MsysAlloc', 'M_system_meteor_II',M_default,  
M_default,psys);
```

.....

In this code i used a call to 'Mil.h'. I found this file on the net,
this file is write only for Matlab.. but I can't used it with IDL...
I have a library called 'Mil.dll' and i tried to 'translate' this part
to IDL:

```
...  
mydcf= '6703c60.dcf'  
path= 'c:\test\mil.dll'  
res =call_external('mil', path)  
  
m_default='10000000'x  
  
v= float(1)  
p_app= ptr_new(v)  
return, call_external('mil', 'MAppAlloc', M_default, p_app)  
  
psys= ptr_new(v)  
return, call_external('mil', 'MsysAlloc',  
'M_system_meteor_II',M_default, M_default,psys)  
...
```

but it doesn't work...

the first error it's in the first call_external... The dll isn't

open...

if you have a idea....

thank

Rick Towler <rick.towler@nomail.noaa.gov> wrote in message

news:<cv319h\$v9a\$1@news.nems.noaa.gov>...

> Fabrice Monti wrote:

>

>> I use IDL for a lot a applications, but now I have a Big problem.

>> I would like to capture an image from a CCD. I use a frame grabber

>> (matrox meteor2).

>>

>> For the moment, i use Matlab with a external call to the "Mil". It's a

>> library which remote the frame grabber. Whit matlab, i can see, save

>> and modify my image.

>> But i wrote a IDL to calculate a lot of think on this image.

>> I must save the image in a file with Matlab and read it with IDL...

>> Grrrr...

>>

>> Do you think is it possible to replace to call external of Matlab by

>> the same function in IDL... i tried to use "call_external" and

>> "socket" function whitout succes....

>> is it possible to call a external library like "Mil" whit IDL, and

>> how?

>

> It probably is possible with CALL_EXTERNAL. I doubt SOCKET would work

> unless your frame grabber is attached to the network and it serves up

> data via TCP/IP. You'd have to check your frame grabber docs.

>

> Why don't you post what you have tried with CALL_EXTERNAL. You should

> be able to glean relevant information from your MATLAB

> loadlibray/calllib functions to get you started in IDL.

>

> -Rick