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Subject: problem

Posted by [taejon](#) on Tue, 31 Oct 2006 16:34:21 GMT

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I have a problem of running this program (I am newbie in IDL...:

When I run this prog (compiles OK) it should when I press the 'dismis'-button remove the value in the textfield named 'a0'. But I get always the error:

"pointer type required in this context"

can somebody give some help ?

regards

taejon

```
;*****
pro efgcalc1_event, event
    widget_control, event.id, Get_Value = buttonValue
print, buttonvalue
case buttonValue of
    'QuitSofort'      : widget_control, event.top, /destroy
    'OPTIONS'        : efgcalc1_options_events, event
    'Load Binaryfile' : LoadBinFile_events, event
    'Dismis'         : dismisdata_event, event

    'Apply'          : Applydataevent, event
endcase
print, *pstate.ccaid
end
;*****
;*****
pro applydata_event, event

print, 'Data applied'
end
;*****
;*****
pro LoadBinFile_events, event
; Hier kann User die von EVOX bereitgestellte Datei auswaehlen !
    inputfile = DIALOG_PICKFILE(/READ, FILTER="*.bin")

; Falls keine Datei ausgewaehlt wurde...
if (inputfile eq "") then begin $
    widget_control, event.top, SET_UVALUE=sState, /No_Copy
    RETURN
```

```

endif
widget_control, (*pstate).VoxelzahlId, get_value = VoxelzahlId
print, "Voxelzahl", (*pstate).voxelzahlId
end
;***** *****
;

pro efgcalc1
; Hauptprogramm, hier wird die graphische Oberfläche gebastelt
; Zuerst das Menue oben (File und Options), durch Menu=1 wird 'File' zu
; einem pulldown-menue
; Mit Menu = 1 wird Button zu Pulldownmenu

    Baseld      = widget_base(/row, title=' EFG-Berechnung',
mbar=menubaseld)
    FileId      = widget_button(menubaseld, Value = 'File', Menu =
1)
    OptionsId   = widget_button(menubaseld, Value = 'Options', Menu
= 1)
    Q_Id        = widget_button(menubaseld, Value = 'Quit', Menu=1)

; Hier unter dem 'File_Button', Event_pro gibt den Eventhandler an
    BinaryfileId = widget_button(fileId,   Value = 'Load
Binaryfile', Event_Pro=efgcalc1_LoadBinFile_events)
    AsciifileId  = widget_button(fileId,   Value = 'Load
Asciifile')
    CoreBinfileId = widget_button(fileId,   Value = 'Load Binary
Corefile')
    CoreAsciifileId = widget_button(fileId,   Value = 'Load Ascii
Corefile')

; Hier unter 'Quit-Button'
    QuitId      = widget_button(Q_Id,     Value = 'QuitSofort')

; Hier unter dem 'Optionsbutton'
    MultiselectId = widget_button(optionsId, Value = 'Multiselect')
    ComputeEFGId  = widget_button(optionsId, Value = 'Compute the
EFG')
    DrawEFGId    = widget_button(optionsId, Value = 'Draw the EFG')

    Subbaseld    = widget_base(baseld, /col)

; Die Gruppe zum auswaehlen von 'settings' und 'tools'
; wTabsellId    = CW_BGROUP(subbaseld, ['Settings', 'Tools'])

; Das Feld mit dem Titel 'Voxelzahl' (CW_Field ist fertiges Widget in
IDL), sowie Kristalldaten
    VoxelzahlId = CW_Field(Subbaseld, Title = 'Voxelzahl', Value =
100, xsize =5, /Integer)

```

```

KristalllabelId = widget_label(subbaseld, Value='Kristallsystem')
ccald         = CW_Field(Subbaseld, Title = 'a0',  value =
4.8195, xsize=5, /float)
ccbld         = CW_Field(Subbaseld, Title = 'b0',  value =
10.480, xsize=5, /float)
cccld         = CW_Field(Subbaseld, Title = 'c0',  value =
6.0902, xsize=5, /float)
ccalphald    = CW_Field(Subbaseld, Title = 'alpha', value =
90.0,  xsize=5, /float)
ccbetalld    = CW_Field(Subbaseld, Title = 'beta', value =
90.0,  xsize=5, /float)
ccgammald    = CW_Field(Subbaseld, Title = 'gamma', value =
90.0,  xsize=5, /float)

```

; Buttons zum Aufnehmen von Voxelzahl und Kristalldaten

```

dismisId      = widget_button(subbaseld , Value = 'Dismis',
uvalue='udismis', Event_Pro=canceldata_event, xsize=30, ysize=30)
applyId       = widget_button(subbaseld, Value = 'Apply',
xsize=30, ysize=30)

```

; Hier das Bild wo die Elektronendichte erscheinen soll

```

Drawbaseld    = widget_base(baseld, /col)
printId       = widget_base(drawbaseld, /col)
DrawId        = widget_draw(printId, xsize=500, ysize=400)

```

; Hier die Schieberegler fuer das Rendern sowie Texteingabe der d-Elektronenfile

```

renderbaseld  = widget_base(printId, /row)
RenderId       = widget_slider(renderbaseld, Title='render',
minimum=0, maximum=200)
rendertext     = widget_text(renderbaseld, /editable, ysize=2)
renderrefresh  = widget_button(renderbaseld, Value='Refresh')

```

; Hier dasselbe fuer das kugelsymmetrische Fc-File

```

rendercorebaseld = widget_base(printId, /row)
RenderCore     = widget_slider(rendercorebaseld, value='render
Core data', minimum=0, maximum=200)
rendercoretext  = widget_text(rendercorebaseld, /editable, ysize=2)
rendcorerefreshID = widget_button(rendercorebaseld,
Value='rendcorerefresh')

```

```

widget_control, baseld, /realize
widget_control, drawId, get_value=winvis

```

; Hier werden die Infos fuer IDL bereitgestellt. Konzept Siehe Fanning  
S. 154

```

state = {winvis : winvis, voxelzahllId : voxelzahllID, ccaid : ccald}

```

```
pstate = ptr_new(state)

; Xmanager gibt den Eventhandler an, und welches das Hauptprogramm ist
xmanager, 'efgcalc1', basId, Event_Handler = 'efgcalc1_event'
,/no_block

end
..*****
,,

pro dismisdata_event, event
  print, 'Data canceled'
  widget_control, event.id, get_uvalue=uval
  print, uval

;if ptr_valid((*pstate).ccald) then (*pstate).ccald =
ptr_new(/allocate_heap)

(*pstate).ccald = 0
  case uval of
    'udismis' : widget_control, (*pstate).ccald, set_value='0'
  endcase
end
..*****
,
```

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Subject: Re: problem  
Posted by [David Fanning](#) on Fri, 30 Oct 2009 12:04:31 GMT  
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bing999 writes:

> Hi

This is, without a doubt, the worst problem description  
I've ever read! :-)

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.")

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Subject: Re: Problem

Posted by [Andy Sayer](#) on Wed, 13 Jun 2012 13:51:58 GMT

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I'd check that your variable 'curve' is defined and an array. The error message suggests it is not.

Hope this helps,

Andy

On Wednesday, June 13, 2012 3:59:53 AM UTC-4, hadi wrote:

> Dear friend  
> I have another problem. i tried to running this command as follow as;  
> plot, time,curve, position=[0.1,0.55,0.95,0.95]  
> but I recievied this error.  
> % PLOT: Expression must be an array in this context: CURVE.  
> % Error occurred at: \$MAIN\$  
> % Execution halted at: \$MAIN\$  
> What is meaning? please help me. Thank you  
> Best, Hadi

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Subject: Re: Problem

Posted by [hadi](#) on Thu, 14 Jun 2012 09:05:19 GMT

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On Wednesday, June 13, 2012 10:51:58 PM UTC+9, Andy Sayer wrote:

> I'd check that your variable 'curve' is defined and an array. The error message suggests it is not.  
>  
> Hope this helps,  
>  
> Andy  
>  
> On Wednesday, June 13, 2012 3:59:53 AM UTC-4, hadi wrote:  
>> Dear friend  
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>> plot, time,curve, position=[0.1,0.55,0.95,0.95]  
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>> % Execution halted at: \$MAIN\$  
>> What is meaning? please help me. Thank you  
>> Best, Hadi

Dear Andy

for example i wrote the curve in the command line i found this message.  
curve

```
% Attempt to call undefined procedure/function: 'CURVE'.
% Error occurred at: $MAIN$
% Execution halted at: $MAIN$
```

I can not understand the meaning of this expression. Could you help me about this. Thank you  
Best, Hadi

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Subject: Re: Problem

Posted by [Andy Sayer](#) on Thu, 14 Jun 2012 14:17:00 GMT

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That error means that the code thinks that 'curve' is a function, not a variable. Check it is defined as a variable, e.g. curve=[0,1,2,3,4,5] or similar, and check how you are referring to it in your code (i.e. that you're not calling it like a procedure/function).

On Thursday, June 14, 2012 5:05:19 AM UTC-4, fada...@gmail.com wrote:

```
> On Wednesday, June 13, 2012 10:51:58 PM UTC+9, Andy Sayer wrote:
>> I'd check that your variable 'curve' is defined and an array. The error message suggests it is
not.
>>
>> Hope this helps,
>>
>> Andy
>>
>> On Wednesday, June 13, 2012 3:59:53 AM UTC-4, hadi wrote:
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> % Execution halted at: $MAIN$
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> Best, Hadi

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Subject: Re: Problem

Posted by [pentead0](#) on Thu, 14 Jun 2012 16:32:15 GMT

On Jun 14, 6:05 am, fadaei...@gmail.com wrote:

> for example i wrote the curve in the command line i found this message.  
> curve  
> % Attempt to call undefined procedure/function: 'CURVE'.  
> % Error occurred at: \$MAIN\$  
> % Execution halted at: \$MAIN\$  
> I can not understand the meaning of this experession. Could you help me about this. Thank you  
> Best, Hadi

IDL is not Python. It only executes statements (ex:

"something=something\_else"), procedures (ex:  
"some\_procedure,some\_argument"), or commands (ex: ".continue"). If you  
just type in the command line a variable name, it will assume you are  
calling a procedure with that name. If you want to know about a  
variable, you need to use some command. For instance:

```
print,some_variable  
help,some_variable  
print,n_elements(some_variable)  
print,size(some_variable)
```

etc.

---

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**Subject: Re: Problem**

Posted by [hadi](#) on Fri, 15 Jun 2012 01:27:07 GMT

On Friday, June 15, 2012 1:32:15 AM UTC+9, Paulo Penteado wrote:

> On Jun 14, 6:05 am, fadaei...@gmail.com wrote:  
>> for example i wrote the curve in the command line i found this message.  
>> curve  
>> % Attempt to call undefined procedure/function: 'CURVE'.  
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you  
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> calling a procedure with that name. If you want to know about a  
> variable, you need to use some command. For instance:  
>

```
> print,some_variable  
> help,some_variable  
> print,n_elements(some_variable)  
> print,size(some_variable)  
>  
> etc.
```

Dear

How i can define a variable in the IDL for example define CURVE. I will be appreciate to helping me. Thank you

Best, Hadi

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Subject: Re: Problem

Posted by [Andy Sayer](#) on Fri, 15 Jun 2012 18:32:34 GMT

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Some examples would be:

```
curve = [0,1,2,3,4]  
curve = 3*findgen(10)^2.0  
curve = sin(findgen(100)*!pi/180.)
```

(or whatever values your curve wants to take)

On Thursday, June 14, 2012 9:27:07 PM UTC-4, fada...@gmail.com wrote:

```
> On Friday, June 15, 2012 1:32:15 AM UTC+9, Paulo Penteado wrote:  
>> On Jun 14, 6:05 am, fadaei...@gmail.com wrote:  
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>> "some_procedure,some_argument"), or commands (ex: ".continue"). If you  
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>> calling a procedure with that name. If you want to know about a  
>> variable, you need to use some command. For instance:  
>>  
>> print,some_variable  
>> help,some_variable  
>> print,n_elements(some_variable)  
>> print,size(some_variable)
```

>>  
>> etc.  
>  
> Dear  
> How i can define a variable in the IDL for example define CURVE. I will be appreciate to helping  
me. Thank you  
> Best, Hadi

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Subject: Re: Problem

Posted by [hadi](#) on Mon, 18 Jun 2012 00:48:44 GMT

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On Saturday, June 16, 2012 3:32:34 AM UTC+9, Andy Sayer wrote:

> Some examples would be:  
>  
> curve = [0,1,2,3,4]  
> curve = 3\*findgen(10)^2.0  
> curve = sin(findgen(100)\*!pi/180.)  
>  
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>>>  
>>> etc.  
>>

>> Dear  
>> How i can define a variable in the IDL for example define CURVE. I will be appreciate to helping me. Thank you  
>> Best, Hadi

Dear Andy  
Thank you for your guidance.  
Hadi

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Subject: Re: problem  
Posted by [Vincent Sarago](#) on Thu, 19 Jul 2012 13:59:25 GMT  
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On Wednesday, July 18, 2012 10:39:16 PM UTC-4, dave poreh wrote:  
> folks  
> hi,  
> when i open idl, it copy's 2 folders in my desktop (metadata, defult). How could i fix this, I do not like it!!!  
> Cheers,  
> Dave

hi Dave,

Are you using idlde ?  
Those directories are created when you first launch a new workbench (from idlde).  
The .metadata can't be removed because it contain's all the preferences of the used workbench.

For the "Default" normally if you erase it from the IDE it won't appear after.

if you are not using idlde you may launch idlde just to erase the "Default" dir.

Vincent

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