
Subject: Re: Passing a structured variable as an argument of procedure

Posted by [Martin Schultz](#) on Mon, 22 Mar 1999 08:00:00 GMT

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VU KHAC Tri wrote:

>
> Hi folks,
>
> I'm very new in IDL programming.
> My question is can I pass a structured variable as an argument of a
> procedure ?
> How to define this ?

(A) if you create a structure outside of your procedure, you can pass it like any other variable either as parameter or keyword:

```
a = { test:'my name', value=100 }
```

```
my_proc,a
```

```
or my_proc,structure=a
```

(you may find my little chkstru function helpful to test whether what you passed really is a structure and [optionally] if it contains the fields ("tags") that you need. You can get it from my webpage (see below)).

(B) same thing holds if you create your structure within your procedure.

Example:

```
pro my_proc,newstru
```

```
newstru = { dummy:1.0, truevalue:1 }  
end
```

(and in "main"):

```
my_proc,test  
print,test
```

Hope this helps,
Martin.

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Subject: Re: Passing a structured variable as an argument of procedure
Posted by [Ivan Zimine](#) on Mon, 22 Mar 1999 08:00:00 GMT
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VU KHAC Tri wrote:

>
> Hi folks,
>
> I'm very new in IDL programming.
> My question is can I pass a structured variable as an argument of a
> procedure ?
yes

> How to define this ?

PRO test, struct

```
; check if variable is a structure
IF Size(struct, /type) NE 8 THEN BEGIN
    Message, "Parameter must be a structure", /continue
    Return
ENDIF

; to get an array of strings with field names
fields=Tag_Names(struct)
.
.
.
END
```

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