
Subject: Re: Structure reforming
Posted by [R.Bauer](#) on Tue, 04 Jun 2002 14:51:47 GMT
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Ivan Valtchanov wrote:

```
>
> Hi all,
>
> I have an IDL structure variable like this:
>
> help, ccc
> CCC          STRUCT    = -> <Anonymous> Array[1]
>
> help, ccc, /struct
>  NAME          STRING   Array[133]
>  RA            DOUBLE   Array[133]
>
> and I would like to reform it like this
> help,ccc
> CCC          STRUCT    = -> <Anonymous> Array[133]
> help,ccc,/struct
>  NAME          STRING      g01
>  RA            DOUBLE      316.022
>
> Is there any fast way to do it?
>
> Thanks a lot.
>
> Ivan
```

You can use my reform_struct.

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_source/idl_html/dbase/download/reform_struct.tar.gz

regards

Reimar

```
; NAME:
; reform_struct
;
; PURPOSE:
; This function is used to reform a structure as tag array or struct
array
;
```

```

; CATEGORY:
;   PROG_TOOLS/STRUCTURES
;
; CALLING SEQUENCE:
;
; result=reform_struct(structure,dim1,[dim2],[dim3],[dim4],[di
; m5],[dim6],[dim7],[dim8],[/struct_array],[/tag_array]
;
; INPUTS:
;   structure: a structures
;   dim1: the new dimension of the input structure (1D to 8D)
;
; OPTIONAL INPUTS:
;   dim2 to dim8: additional dimensions if not declared in dim1
;
; KEYWORD PARAMETERS:
;   struct_array: if is set output structure is an array
;   tag_array:   if is set output structure is 1D and tags are arrays
;   You have to set one of these keywords
;
; EXAMPLE:
;   data=create_struct('A',FINDGEN(15),'B',SIN(FINDGEN(15)))
;   result=reform_struct(data,15,/struct_array)
;   HELP,result
;   RESULT      STRUCT   = -> <Anonymous> Array[15]

```

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a IDL library at ForschungsZentrum Juelich
http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h_tml
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