Subject: Re: The old Exelis/ITTVIS/RSI contrib directory
Posted by Jim Pendleton on Fri, 29 Sep 2017 20:10:21 GMT
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On Friday, September 29, 2017 at 1:28:14 PM UTC-6, wlandsman wrote:
> The old IDL website used to have a "contrib" directory of supplemental procedures contributed both by users and by Exelis/ITTVIS/RSI staff.   The current Website has a similar area
>
> http://www.harrisgeospatial.com/MyAccount/Extensions.aspx
>
> but it only includes procedures submitted after April 2014.   I was looking for a couple of older procedures including struct_equal.pro.   Does anyone know if these are still archived anywhere?
>
> Former links to the contrib directory include the following:
>
> http://www.rsinc.com/codebank/search.asp?search=category&amp ;product=IDL&catid=31
> http://www.ittvis.com/codebank/search.asp?FID=311
> http://www.exelisvis.com/Default.aspx?tabid=1540&id=1175
>
> Thanks, -Wayne

Is this the one?

```
;+
; <FUNCTION struct_equal>
; Tests whether two IDL structures are 100% identical in value or no
;
; @Param
;   s1 {in} {required} {type=IDL Structure}
;     Any IDL Structure to compare to argument 's2'
;
; @Param
;   s2 {in} {required} {type=IDL Structure}
;     Any IDL Structure to compare to argument 's1'
;
; @Returns
;   Boolean 0|1, 1 if the structures are identical in value, otherwise 0
;-
FUNCTION struct_equal, s1, s2
s1Names = tag_names(s1)
s2Names = tag_names(s2)
if ~array_equal(s1Names, s2Names) then return, 0
nTags = n_elements(s1Names)
for i = 0, nTags-1 do begin
   s1TagSize = size(s1.(i))
   s2TagSize = size(s2.(i))
   if ~array_equal(s1TagSize, s2TagSize) then return, 0
   ; Check for structure datatype
```

```
    if size(s1.(i), /TNAME) eq 'STRUCT' then begin
        if ~struct_equal(s1.(i), s2.(i)) then return, 0
        break
    endif
    if n_elements(s1.(i)) eq 1 then $
        if (s1.(i))[0] ne (s2.(i))[0] then return, 0
    if n_elements(s1.(i)) gt 1 then $
        if ~array_equal(s1.(i), s2.(i)) then return, 0
    ; Do nothing if both tags have no elements
endfor
return, 1   ; Arrays
END
```

I don't know what organization within the company is making decisions about which old contributed files are to be exposed on the website. I'm sure there is nothing restricted about this function, however.