Subject: Re: Finding if a structure tag name is defined?
Posted by mvukovic on Wed, 15 Oct 2003 18:51:58 GMT

wmc@bas.ac.uk wrote in message news:<3f8bebd3@news.nwl.ac.uk>...
> I want to know if a given keyword has been passed down via _extra, so
> I said "if (n_elements(e.c_linestyle) ne 0)" which of course doesn't
> work because if it isn't there you can't say e.linestyle (bring on
> perl...). I can use tag names to get all the tags, then search through
> for a match, but that seems silly and ugly. What is the correct way
> to find if a given structure has a certain tag in it? (And why
> couldn't I find the answer buried within DF's site ;-)?
>
> -W.

You may find the following routine usefull. It uses regular
expression matching to check for matches.

You may off course, combine it with some of the type-checking routines
posted on this thread

Mirko

```
function WhereKwdLike,vsStringVector,sString,cFound,_extra=_extra
; function returns matches of String in String Vector.  A match occurs
; when the string, of length N matches the first N characters of a
; vector element.  This function mimics the behavior of IDL when it
; matches an incomplete keyword.

;; Use a regular expression match.  We match the String vector against
;; the string regular expression.  In the regular expression, ^
matches
;; the string beginning and .* will match any number of characters
  viMatches=StRegEx(vsStringVector,'^'+sString+'.*',/Fold_Case , $
                 _extra=_extra)
  viFound=where(viMatches eq 0,cFound)
  return,viFound
end
```