
Subject: Re: indexing over structure tags

Posted by [Paul van Delst](#) on Thu, 19 Apr 2001 17:00:20 GMT

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Randall Skelton wrote:

```
>
> Hello,
>
> Imagine someone has a structure of structures...
>
> ; define the basic structure for each
> sm_struct = {basic_struct, comment: ' ', values: fltarr(nlev)}
>
> ; define the large structure
> data = {big_struct, so4: sm_struct, co2: sm_struct, hcl: sm_struct}
>
> The IDL manual describes how to make an array of the tags in a structure
> using:
>
> ; get the names of the tags
> names = tag_names(data)
>
> so that names = [so4, co2, hcl].
>
> That is all fine. But is it possible to index over the tag names with a
> for-loop?
>
> i.e.  for i=0, n_elements(names)-1 do data.names[i].values = i
>                                     ^^^^^^^^^^^^^^^^^^^^^
```

Maybe

data.names[i].(j) where j=0->N_TAGS(data.names[i])-1 ??

This works on "single-level" structures but I don't see why it wouldn't work on nested ones.

paulv

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Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
paul.vandelst@noaa.gov Alexander Pope.
