Subject: Re: indexing over structure tags
Posted by tam on Thu, 19 Apr 2001 19:23:50 GMT
View Forum Message <> Reply to Message

Hmmm.... Well assuming that you want to iterate (for whatever reason)
over a set of names rather than a set of indices how about.

```
names = tagnames(data)
for i=0,n_tags(data)-1 do begin  ; Or any other kind of loop
   name = ... entered somehow by the user perhaps ...
   w=where(name eq names[i]);
   if (w(0) ne -1) then begin
      ind = w[0]
      data.(ind).values = ...
....
```

It's easy enough to translate from the variable name to the variable
index -- and the index may itself be a variable.

 Tom

Randall Skelton wrote:
>
> Thanks Tom... I did think of that. However, in this particular case there
> is some merit in having the name of the structure be a useful and human
> readable tag. Nobody would be happy trying to remember yet another
> arbitrary numbering scheme for molecules when they'd rather just type the
> name ;) My suspicion is that there isn't an easy way to do what I want...
>
> Randall
>
> On Thu, 19 Apr 2001, tam wrote:
>
>> Just use the numeric tag syntax for structures.
>>
>>   for i=0,n_tags(data)-1 do begin
>>   data.(i).values = .. some expresion ...
>>   endfor
>>
>> where the (i) indicates use the i'th element of the structure.
>> So you don't need to use the names at all.
>>
>>   Regards,
>>   Tom McGlynn
>>