
Subject: Matching Structure Tag Lengths

Posted by [doyle](#) on Fri, 28 Jun 2002 05:45:24 GMT

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Hi there everyone. I've got a kind of confusing question that I can't quite figure out.

I've got a bunch of data that is stored in two different structures, structure P and structure S. Structure P has 16 tags each of which is approximately an eighth of size of the tags in structure S (Structure S has 21 tags but that's pretty inconsequential).

What I need to do is do some sort of interpolation between the two structures to make the arrays in Structure P the same size as the arrays in Structure S. I have an array in each structure that I know starts and ends at the same number so I'm trying to use this to do the interpolation. My code is below. I'm trying to use the replicate function but it doesn't seem to do the trick. I think I'm doing something wrong. Any help would be appreciated.

```
p2=replicate(P[0],n_elements(S)) ; n_elements is a function that  
determines the number of elements
```

```
for i=0,n_tags(P)-4 do begin  
temp=interp1(P.ms,P.(i),S.ms)  
P2.(i)=temp  
endfor
```

the last three elements of P are meaningless hence the -4. The .ms is the array that I know to be equal.

This is as far as I've gotten. Unfortunately I cannot do this at work as my computer won't connect to the board and allow me to post.

Thanks in advance.

Nate Doyle
