
Subject: Re: referencing structure arrays

Posted by [nivedita.raghunath](#) on Thu, 10 Sep 2009 16:12:53 GMT

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Sorry, looks like what I typed looks gibberish in places. I hope this one is more readable:

Hi All,

I have a problem referencing structure arrays and assigning values to them. So here is a snippet of my code:

```
junk1=update_state(junk) ;creates a structure called junk1
statearr=replicate(junk1,3) ;creates an array of structures
```

```
infoptr=ptr_new({statearr:statearr}) ;need this to pass variables
between programs
```

```
align_images,state=state1 ;some program that aligns 2 images and
stores the alignment results in state1
```

```
;assign values from the state1 structure to infoptr.statearr[0]
structure
(*infoptr).statearr[0].resvol_file_ptr=state1.resvol_file_ptr
(*infoptr).statearr[0].air_file_ptr=state1.air_file_ptr
```

Now, here is the problem. With the above code, it turns out that...

```
(*infoptr).statearr[0].resvol_file_ptr, (*infoptr).statearr
[1].resvol_file_ptr, (*infoptr).statearr[2].resvol_file_ptr
all have the same values. Similarly with air_file_ptr. Even though I
haven't assigned anything to the statearr 1 and 2 yet.
```

Is there a specific way to reference these structure arrays? Any help is greatly appreciated!

Thanks
Niv
