
Subject: trouble with pointers within array of structures

Posted by [astroboy.20000](#) on Wed, 24 May 2017 00:12:56 GMT

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I apologize for what I'm sure is a dumb question but I've looked all through the documentation for three days and I apparently am missing something.

I'm trying to store a pointer to a vector as an entry within a structure of arrays. This is the basic idea:

```
a = { name:"", image : ptr_new(/allocate) }  
main = replicate(a,10)
```

```
;world() returns a 256x256 floating point image of the world,  
;ct() returns a 256x256 floating point CT image
```

```
*main[5].image = world()  
*main[4].image = ct()
```

```
tv, *main[4].image ;gives an image of the CT scan, which is what I expected  
tv, *main[5].image ;gives an image of the CT scan  
tv, *main[0].image ; ditto  
tv, *main[9].image ; ditto
```

Obviously, I'm missing something fundamental about the syntax here but I've tried every permutation of parentheses and indices I can think of, and no matter what, the last pointer assigned overwrites every other pointer in the structure array.

Can anyone tell me what I should be doing here?

Thanks very much,
