

Re: Reference to derived type element by index?

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 - *Date:* Sun, 30 Mar 2008 02:33:16 +0100
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Hi – yes, that's what I want to do. If, as you say, this can't be done then a case statement might be the way to go – it's not as elegant as I'd hoped, but this is just a simple routine to parse a parameter file, so it's not mission-critical. Thanks for your help!

Gary Scott wrote:

Rob Crain wrote:

Hi Gary – thanks for your reply. I think my initial explanation may have been unclear, as this is not the solution to my problem. The problem reduces to the following: I don't know explicitly which variable (I incorrectly referred to this variable as an element previously, hence the confusion) I want to update, so I can't say

```
circle%radius = <something>
```

All I have is an index that tells me I need to update the i^{th} variable within the derived type. So say I need to update circle%z, the index would have value 4. But I know that I can't do

By i^{th} variable, are you saying the i^{th} component? No you can't alias an index with the formally defined components and have value 1 refer to radius and value 2 refer to x. You could use select case to make that choice based upon the index. Still not sure I understand fully tho.

<snip>