

Re: internal procedure can't use array of derived type from main

Source: <http://coding.derkeiler.com/Archive/Fortran/comp.lang.fortran/2004-03/0792.html>

From: Richard Maine (*nospam_at_see.signature*)

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hawk@slytherin.ds.psu.edu (Dr. Richard E. Hawkins) writes:

> *So my solution is that I'm using an out where I should be using an inout*

I had missed that one. Good catch by Mike. But watch out for another, somewhat related, "gotcha". Looks to me like the internal procedure is accessing the same variable both via argument association and via host association. That is legal... but puts very serious limits on what you can do with the variable... making intent(inout) simillarly dubious, even if it happens to actually work for your immediate application with the current compiler.

When you access the same data by argument association and by some other method, that generally means that you aren't allowed to change the value via either name. (Because temporary copies might be involved, and this can cause problems with the copy and the original getting different values. Well, in practice that's my explanation for why it is illegal – the standard just says that it is illegal.)

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Richard Maine		Good judgment comes from experience;
email: my first.last at org.domain		experience comes from bad judgment.
org: nasa, domain: gov		-- Mark Twain