Subject: Re: [Q] structure definition with variable array size
Posted by davidf on Sun, 28 Jun 1998 07:00:00 GMT
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Matthew J. Sheats (sheats@lanl.gov) writes:

>> I wish to create a structure for holding a slice from a 3d volume along
>> with domain info, e.g.,
>>
>> pro slice__define
>>   tmp = {slice, data:fltarr(100,100), x:fltarr(100), y:fltarr(100), z:0.0}
>> end
>>
>> This definition is fine if the data dimensions are known. However, what
>> if the array sizes are only known at runtime when the data file is opened
>> and brought into IDL. Is it possible to have structures with arbitrary
>> length arraysa la F90, C, or Pascal?
>>
>
>   Unfortunately, the only way I have found to defeat this limitation is
> to use pointers.

"Unfortunately"!? Fortunately, there *are* pointers to make these
kinds of things possible. Think of a world without arrays of
variable length vectors, etc. Why, we would all have to learn
to program in BASIC. :-)

Cheers,

David

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