
Subject: Re: problem with call_external()

Posted by [chs11](#) on Fri, 06 Oct 1995 07:00:00 GMT

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In article <450kgr\$2tq@hermod.uio.no>,

Stein Vidar Hagfors Haugan <steinhh@amon.uio.no> wrote:

> In article <44va4a\$kh@apakabar.cc.columbia.edu>, chs11@inibara.cc.columbia.edu (Carl H Sayres) writes:

> |> I'm trying to pass a two dimensional array of floats to an ansi C function.

> |> a = (float **) argv[0]; /* this doesn't work */

>

> A two-dimensional array is still just an array -- no extra level of

> indirection is implied. You're treating a as if it was passed to your

> routine in the form of an array of pointers to each row (or column).

> This is not the case. Only one pointer is passed, and element a(i,j)

> can be found in your C program by the expression *(a + i + j*n).

I'm passing the 2-d array to another function which is expecting a float **. Can I create a *float[], and fill in the values ?

eg. for an m by n matrix:

float ** list;

list = (float **) malloc(sizeof(float *) * m);

for(i=0;i<m;i++) list[i] = (a + i*m);

will that work?

Carl
