
Subject: Re: Multidimensional arrays and CALL_EXTERNAL
Posted by [Allan Whiteford](#) on Mon, 23 Jun 2008 12:15:34 GMT
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Dan wrote:

> Hi Lajos,
>
> This doesn't seem to be working for me.

Dan,

It works for me; as an example:

multi.c

```
#include <stdio.h>
#include "idl_export.h"
```

```
void do_work(float *a)
{
    printf("%f\n",a[3+5*10+7*10*20+9*10*20*30]);
}
```

```
IDL_VPTR multi(int argc, IDL_VPTR argv[])
{
    do_work((float *) argv[0]);
}
```

multi.pro

```
pro multi
a=fltarr(10,20,30,40)
```

```
a[3,5,7,9]=3.14
```

```
junk=call_external('multi.so','multi',a,/unload)
end
```

Compile

```
gcc -I /usr/local/rsi/idl/external/include -shared multi.c -o multi.so
```

does the above work for you? Can you post an example of code which fails?

Thanks,

Allan
