
Subject: [call_external] how to use it ?

Posted by [Richard Hittier](#) on Wed, 12 Dec 2001 14:51:40 GMT

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Hi there,

I've been trying to use this functionality for hours now,
but... couldn't succeed :(

1st: the manual example doesn't work for me
the array pointer doesn't point to the good values.
(getting very high values ...)

2nd: in my own example it seems that I have to use long
integer in idle to be able to use (int) in the C code.

I'm trying to modify an array throug C routine, but
couldn't:
working with the array pointer doesn't seem to alter the
idl array at all.

I'm working on a Solaris station,
using gcc compiler.

There are the files:

```
-----test.c-----
int function(int argc, void *argv[])
{
    int s=0,*ip;
    int i;
    for (i=0, ip=(int*)argv[0]; i<*(int*)argv[1]; i++, ip++)
    {
        s+=*ip;
        printf("i:%d ip:%f \n",i,*ip);
    }
    return(s);
}
```

```
-----test.pro-----
pro none, zize
    tab = indgen(zize)
    machin=10
    print, "d'abord"
    print, tab
    i=call_external('none.so', 'function', tab, n_elements(tab))
```

```
    print, "ensuite", i
    print, tab
end
```

-----Makefile-----

.SUFFIXES:

.SUFFIXES: .c .so

.c.so:

gcc -g -fPIC \$< -shared -o \$@

By the way, does any one knows about calling an idl
procedure on unix command line as any other unix exe ?

I mean gently passing the args via command line ?

Thanks

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richard Hitier
