
Subject: Re: External development: Populating a complex array in C

Posted by [Heinz Stege](#) on Sun, 26 Jul 2015 10:51:46 GMT

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On Sat, 25 Jul 2015 23:18:03 +0200, Heinz Stege wrote:

> On Sat, 25 Jul 2015 11:08:28 -0700 (PDT), David Grier wrote:

>

>> Alternatively, does anyone know how to convert two IDL_TYPE_FLOAT arrays
>> into one IDL_TYPE_COMPLEX array along the lines of the COMPLEX(real,imag)
>> function in IDL?

>>

> Yes, here is an example:

> real=findgen(5)

> imag=4.-findgen(5)

> comp=complex(real,imag)

> help,comp

> print,comp

> IDL prints:

> COMP COMPLEX = Array[5]

> (0.000000, 4.000000)(1.00000, 3.00000)

> (2.00000, 2.00000)(3.00000, 1.00000)

> (4.00000, 0.000000)

>

This obviously is not what you wanted to ask for. Sorry for not realizing the meaning of "along the lines of".

You may be interested in the function

IDL_VPTR IDL_CvtComplex(int argc, IDL_VPTR argv[]).

The External Development Guide says, that this function is the direct implementation of the IDL command COMPLEX.

Cheers, Heinz
