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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)( 1.000000, 3.000000)  
> ( 2.000000, 2.000000)( 3.000000, 1.000000)  
> ( 4.000000, 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

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