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Subject: Re: How do I return a 2d array in a system routine?

Posted by [Karl\[1\]](#) on Mon, 15 Sep 2008 17:46:35 GMT

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On Sep 15, 4:25 am, "hotplainr...@gmail.com" <hotplainr...@gmail.com> wrote:

> I have been using cublas\_sgemv.pro to call a C function  
> IDL\_CUBLAS\_SGEMV() which is LINKIMAGE'd into IDL.  
>  
> Now, I'd like to reduce it to IDL\_CUBLAS\_SGEMV only. How do I create  
> an IDL\_VPTR and IDL\_VARIABLE to return the result which is a 2D array.  
>  
> I find it hard to understand IDL's documentation in returning  
> variables e.g. usage of IDL\_MakeTempArray() in the Example: A Complete  
> Numerical Routine Example (FZ\_ROOTS2)  
>  
> char \*IDL\_MakeTempArray(int type, int n\_dim, IDL\_MEMINT dim[],  
> int init, IDL\_VPTR \*var)  
>  
> How do I create IDL\_MEMINT?  
>  
> Excuse my Bush-like IQ  
>  
> Zaki

IDL\_MEMINT should be defined in idl\_export.h

It is an integer that is big enough in size to contain a number representing the largest possible memory allocation. On most 32-bit architectures, this is an int. On most 64-bit architectures, this is an int64.

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