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Subject: Re: Segmentation Fault

Posted by [David Foster](#) on Wed, 21 Jan 1998 08:00:00 GMT

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Koon-Pong Wong wrote:

>  
> Hi,  
>  
> I have a couple of questions about calling an external program  
> in PV-Wave (v5.0). I don't know whether these questions have been  
> answered before.  
>  
> I have some application programs that were written in standard C.  
> When I used LINKNLOAD to call these programs with a wrapper  
> routine, I got SEGMENTATION FAULT occasionally. The result is --  
> the session crashed and returned to the operating system. Does  
> anyone encounter this kind of error before ?? Is this error  
> occurred in calling external programs only ?? Is there any way to  
> avoid it ??

A segmentation fault when using linking external programs almost always occurs because one or more of the arguments do not have the same data type. You can also have problems if your routine tries to access an element of an array that is out-of-bounds.

My first suggestion would be to use CALL\_EXTERNAL, it that is available in PV-Wave (I'm an IDL user). This is a much simpler interface. Email me if you would like to see example code.

Dave

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