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Subject: Re: dlmform

Posted by [Stein Vidar Hagfors H\[2\]](#) on Tue, 19 Aug 2003 17:44:16 GMT

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Reimar Bauer <R.Bauer@fz-juelich.de> writes:

> Dear all,

>

> I found Stein Vidar'S dlmform for f77 programs, Does this work with f90/95

> too?

It depends.. the dlmform program uses the output of the program  
ftnchek to parse the input types. If ftnchek works with f90/95, then  
dlmform could also work, but only as long as the parameter  
declarations look like f77.

Another neat way to use dlmform if you have a problem with a  
particular vintage of fortran is to simply rewrite the header (nothing  
else) of the procedure/function to f77, and use the C code generated  
by dlmform for the real thing in fNN.

> Did someone already have this or a similiar tool translated for c sources?

Again, by writing an f77 template for the function, there's no real  
need.

Note that all variables in fortran are passed by reference, though, so  
some rewriting of the code may be needed. The pass-by-reference  
quality of fortran is very handy for vectorization of scalar  
procedures/functions.

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