
Subject: Re: PvWave: Undefined variable ON_ERR_ACTION
Posted by [Adrian Clark](#) on Fri, 19 Nov 1999 08:00:00 GMT
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Dear Andreas,

Your problem is due to an uninitialised COMMON BLOCK statement, I believe.

Take `nonlinregress.pro`, for example. The procedure for this can be found in `$VNI_DIR/stat-2.0/lib/nonlinregress.pro`. The variable `on_error_action` is defined as a COMMON variable and then you have the line:
`ON_ERROR, on_error_action`

In this case, the `on_err_action` variable tells wave what to do when there is an error (e.g. return to the `$main$` level, return to the calling function level etc). However, the common block statement has to be defined, otherwise you will get the error you describe, since wave does not know what value to assign to `on_err_action`.

This COMMON block is initialised when you start the maths/stats functions. i.e. depending on your setup, you will have to do one of the following:

```
wave> @stat_startup
initialises stats package.
wave> @math_startup
initialises maths package
wave> @ip_startup
initialises image processing toolkit (which includes maths & stats I think)
etc etc
```

If you haven't done this, it will probably solve your problem. If you have, let me know and I'll look into it further.

Good luck!

Adrian

Andreas Liehr <obi@uni-muenster.de> wrote in article
<38341EAA.325C8271@uni-muenster.de>...

> Hi Everybody,

>

> I've observed a problem using the IMSL Mathematics und Statistics
> package. The problem occurs with the PvWave versions of VMS, Unix and NT
> while calling functions like `NONLINREGRESS`, `NONLINOPT` or `ODE`. These
> functions also don't work with the examples of the help file.

>

> By calling one of these functions, I get the error message:
>
> % ON_ERROR: Variable is undefined: ON_ERR_ACTION (CMAST\$GEN_COM).
> % Execution halted at NONLINOPT <nonlinopt.pro(29)> (ON_ERROR).
> % Called from \$MAIN\$.
>
> I haven't found a documentation of this error message or the variable
> ON_ERR_ACTION anywhere and I'm hoping that anybody submits a hint or a
> solution to avoid the described error.
>
> Thanks,
> Andreas
>
