

## Description: No Generics-Documentation when using VHDL procedure syntax structure

DoxyGen V1.8.10 (probably also earlier versions)  
System Win7

see also appended zip file with demo project

demo project:

[adis16209\\_control.vhd](#)

[adis16305\\_control.vhd](#)

These are vhd files each containing typical syntax structures also **including a vhd procedure:**

```
procedure proc_result_averaging (   variable type_of_result_v   : integer;  
                                   variable bitmuster_v           : in std_logic_vector;  
                                   ... and so on...  
end procedure proc_result_averaging;
```

Note:

This vhd code in the demo files is NOT suitable to run a successful vhd compilation, but it is sufficient to show the DoxyGen problem.

[TumblerMaxi.Doxyfile](#)

This is the demo doxy file suitable to generate the DoxyGen documentation and showing the problem.

### How to see the problem?

- Un-ZIP the demo project and run the doxy file and generate the html documentation (all paths should be valid)
- you will see the file list as shown

Here is a list of all documented files with brief descriptions:

 <a href="#">adis16209_control.vhd</a>	VHDL-Modul, first processed file by DoxyGen 1.8.10
 <a href="#">adis16305_control.vhd</a>	VHDL-Modul, second processed file by DoxyGen 1.8.10

- looking at the entity of [adis16209\\_control.vhd](#) (the first file in the file list) you will find the Generics parameters
- but looking at the entity of [adis16305\\_control.vhd](#) (the second file in the file list) there the Generics parameters has been skipped
- it seems that DoxyGen gets confused with that vhd procedure structure in the first file ...?

How to find the Generics again? ---> see next page --->

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### How to find the Generics again:

- put the vhdl procedure structure in the file [adis16209\\_control.vhd](#) (the first file in the file list) into comments or delete it
- generate a new DoxyGen documentation
- you will see the Generic section again in both entities of the files

### My Questions:

- Is this a bug?
- Or is there some special trick to overcome such problem?
- How to get some workaround?

Thanks a lot!  
Johann