

## CoCoA-5 - Bug #1356

### CoCoA-5 header files: should use a common prefix for CPP variables which enforce read-once

29 Oct 2019 12:20 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	29 Oct 2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Portability	<b>Estimated time:</b>	1.11 hour
<b>Target version:</b>	CoCoA-5.4.0	<b>Spent time:</b>	1.10 hour
<b>Description</b> The usual trick to ensure that header files are read only once is to define a CPP variable the first time the header is read; later attempts to read the header check whether that variable is set.  We use this trick, but we should use a common prefix for the variables used. In CoCoALib this prefix is <b>CoCoA_</b> . I suggest using the prefix <b>CoCoA5_</b> for header files for CoCoA-5.			
<b>Related issues:</b> Related to CoCoALib - Support #1555: Software licence			
		<b>Closed</b>	<b>21 Dec 2020</b>

#### History

##### #1 - 09 Jan 2020 11:46 - John Abbott

- Target version changed from CoCoA-5.3.0 to CoCoA-5.4.0

Postpone because it is not urgent/important. It should be a simple change, but I prefer to do it when there is less time pressure.

##### #2 - 05 Nov 2021 16:47 - John Abbott

This is a reasonable proposal. Let's do it!  
Soon?

##### #3 - 05 Nov 2021 23:07 - John Abbott

- Status changed from New to Resolved
- Assignee set to John Abbott
- % Done changed from 0 to 80

I have changed all the files.  
The only slightly strange one is C5.H where the whole file is inside a #ifdef block -- not sure if I have done the right thing.

All compiles, and all tests pass.  
Will check in soon.

##### #4 - 08 Nov 2021 16:43 - John Abbott

I have reviewed the header files and checked them in.

We need to review also the copyright notices: I have added Abbott & Bigatti (where missing).  
The copyright blurb refers to CoCoALib, but that is not strictly correct -- what to do?

##### #5 - 12 Nov 2021 10:31 - John Abbott

- Related to Support #1555: Software licence added

**#6 - 12 Nov 2021 10:45 - John Abbott**

- *Status changed from Resolved to Closed*
- *% Done changed from 80 to 100*
- *Estimated time set to 1.11 h*