

CoCoALib - Design #1295

Never use "using namespace .." in header files

07 Jun 2019 14:13 - Anna Maria Bigatti

Status:	Closed	Start date:	07 Jun 2019
Priority:	Urgent	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Portability	Estimated time:	1.11 hour
Target version:	CoCoALib-0.99650 November 2019	Spent time:	1.10 hour
Description			
Make sure that "using namespace..", "nor "using .." is never used in .H files.			

History

#1 - 07 Jun 2019 14:13 - Anna Maria Bigatti

From Gereon Kremer:

"We recently had some "interesting" experiences with using namespace directives. I would guess that you are aware that "using namespace std;" should not be put in the anonymous namespace in headers as it can have interesting effects on libraries that include them.

This caused problems recently here and I thus eliminated a few remaining places our code did this. However I also noticed that CoCoALib still does this as well in a few places... could you fix this at some point?

A quick grep revealed those:

```
include/CoCoA/TmpUniversalInvolutiveBasisContainer.H:28:  using
namespace std;
include/CoCoA/TmpStabilityAlgorithm.H:24:using namespace std;
include/CoCoA/BenchmarkToolkit.H:136:          using namespace std;
include/CoCoA/TmpPBMill.H:28:  using namespace std;
```

(Though some only do this inside of some CoCoA-namespace which should be fine, but at least TmpStabilityAlgorithm.H does it outside of any namespace...)

"

#2 - 08 Jun 2019 10:06 - John Abbott

- Status changed from New to In Progress

- Priority changed from Normal to Urgent

I'll try to sort this out ASAP. Hope it won't be too "exciting" (the original author probably cannot be contacted any more).

#3 - 29 Oct 2019 12:00 - John Abbott

- *Status changed from In Progress to Closed*
- *Assignee set to John Abbott*
- *Target version changed from CoCoALib-0.99700 to CoCoALib-0.99650 November 2019*
- *% Done changed from 10 to 100*
- *Estimated time set to 1.11 h*

I must have done this some time ago; no doubt shortly after it was reported.

I have just removed some using namespace std; from all *.C files in AlgebraicCore.
Will test and check in shortly.