

CoCoALib - Design #1511

Use C++14 constexpr

14 Oct 2020 21:51 - John Abbott

Status:	Closed	Start date:	14 Oct 2020
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Improving	Estimated time:	2.99 hours
Target version:	CoCoALib-0.99850	Spent time:	2.95 hours
Description			
Scott Meyers recommends using constexpr where (reasonably) possible.			
Related issues:			
Related to CoCoALib - Design #1225: Move to C++14 (skipping C++11)			In Progress 06 Sep 2018

History

#1 - 14 Oct 2020 21:51 - John Abbott

- Related to Design #1225: Move to C++14 (skipping C++11) added

#2 - 29 Jan 2021 20:16 - John Abbott

So far I have done the following files: (update list as files are done)

- bool3.H
- config.H
- DivMask
- DynamicBitset
- MemPool
- debug_new.C
- [end of list]

#3 - 10 Feb 2021 20:36 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 20

#4 - 10 Feb 2021 21:41 - John Abbott

- % Done changed from 20 to 50

#5 - 08 Mar 2024 17:52 - John Abbott

- Assignee set to John Abbott

#6 - 08 Mar 2024 20:24 - John Abbott

- Status changed from In Progress to Feedback

- % Done changed from 50 to 90

I think I have done all instances in src/AlgebraicCore and src/CoCoA-5. I suppose I'd better check examples & tests...

#7 - 08 Mar 2024 20:48 - John Abbott

I have done the tests and examples. There were a few cases where I chose to leave just **const** rather than replace with **constexpr**... no terribly scientific reason for my choices.
All tests & examples compile and run fine.

#8 - 16 Mar 2024 21:55 - John Abbott

- *Status changed from Feedback to Closed*
- *% Done changed from 90 to 100*
- *Estimated time set to 2.99 h*