

CoCoALib - Feature #430

Use -fopenmp flag when compiling CoCoALib with libnormaliz

29 Jan 2014 15:38 - Christof Soeger

Status:	Closed	Start date:	29 Jan 2014
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Portability	Estimated time:	1.51 hour
Target version:	CoCoALib-0.99533 Easter14	Spent time:	1.25 hour
Description <p>Right now libnormaliz can be included to CoCoALib only without using OpenMP. We did it this way to have an easier start.</p> <p>But I think it would be no problem to add the -fopenmp flag. It is recognized by many compilers (gcc, icc, ...) and should not give a disadvantage if it is not used.</p> <p>To support the case where the flag is not supported there are two possibilities:</p> <ul style="list-style-type: none">• Detect whether the compiler supports it by compiling a test programm.• Detect whether libnormaliz was compiled with OpenMP. A possible test might be something like <code>nm -g grep " omp_"</code>.			
Related issues: <p>Related to CoCoA - Support #425: Osnabrueck 2014-01</p>			
		Closed	27 Jan 2014

History

#1 - 29 Jan 2014 16:08 - John Abbott

- Status changed from New to In Progress
- Assignee set to John Abbott
- % Done changed from 0 to 30

JAA has written a new script, and added a suitable call to configure.
Christof confirms that it works for him, except for the GUI :-(

#2 - 29 Jan 2014 16:47 - John Abbott

- Status changed from In Progress to Feedback
- % Done changed from 30 to 90

Resolved the outstanding problem -- the flag had to be passed correctly to qmake.
JAA has fixed the make-c5makefile.sh script; Christof reports that it works OK now.

#3 - 30 Jan 2014 10:38 - Christof Soeger

without --with-libnormaliz it still tries to check and get
nm: ": No such file

#4 - 30 Jan 2014 14:01 - Christof Soeger

For me it now works fine. With and without libnormaliz.

#5 - 01 Apr 2014 17:34 - Anna Maria Bigatti

- Target version set to CoCoALib-0.99533 Easter14

#6 - 02 Apr 2014 16:33 - John Abbott

- *Status changed from Feedback to Closed*
- *% Done changed from 90 to 100*

No problems reported in over 2 months. Closing!

#7 - 17 Apr 2014 09:54 - Anna Maria Bigatti

- *Estimated time set to 1.51 h*