

CoCoALib - Support #1056

Release: CoCoALib-0.99560 (together with CoCoA-5.2.2)

28 Apr 2017 17:02 - Anna Maria Bigatti

Status:	Closed	Start date:	08 Apr 2014
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Various	Estimated time:	5.00 hours
Target version:	CoCoALib-0.99560	Spent time:	4.45 hours
Description			
Everything related to making a CoCoALib release:			
<ol style="list-style-type: none">1. Redmine Roadmap: close or postpone issue2. Redmine Release issues: check percentages, check timings3. Finalize4. make veryclean; make (full make, with all tests and examples and CoCoA-5..)5. tests: make valgrind6. CoCoA-5: make ManExamples7. create snapshot8. upload examples9. upload manual10. update webpage11. publish manual (arXiv? ResearchGate?)12. close release on Redmine			
--> send message to facebook page			
Related issues:			
Related to CoCoALib - Support #624: Wikipedia		New	12 Sep 2014
Related to CoCoALib - Support #1058: CoCoALib version in Documentation and Ex...		Closed	04 May 2017
Related to CoCoA-5 - Support #1061: Release: CoCoA-5.2.2		Closed	01 Aug 2014
Related to CoCoALib - Support #1149: Release: CoCoALib-0.99600 (together wit...		Closed	17 Jan 2018 06 Aug 2018
Copied from CoCoALib - Support #944: Release: CoCoALib-0.99550 (together with...		Closed	08 Apr 2014

History

#1 - 28 Apr 2017 17:02 - Anna Maria Bigatti

- Copied from Support #944: Release: CoCoALib-0.99550 (together with CoCoA-5.2.0) added

#2 - 08 May 2017 11:54 - Anna Maria Bigatti

- Estimated time changed from 4.00 h to 5.00 h

#3 - 19 Jul 2017 19:05 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

RELEASE NOTES FOR CoCoALIB 0.99560 (or an interim version)

- MinPolyQuot (modular) now has no limit on number of primes
- added new "timeout" capability -- see **CpuTimeLimit**
- redesigned interrupt mechanism (now "more polite", and works with "timeout" impl)
- added new fns **IsInRadical** and **MinPowerInIdeal**
- added new fn **CutLF** (for iterating over the homog parts of a polynomial)
- ExternalLibs-MathSAT.[CH] -- interface class for msat_env and function msat_solve (see [#1091](#))
- assignment of ideals may now change ring (see [#1065](#))
- added **SmallestNonDivisor** (see [#979](#))
- improved Makefiles: rebuilding of Makefile_dependencies is more robust when interrupted
- renamed **ERR::SERIOUS** to **ERR::ShouldNeverReachHere** (see [#1097](#))
- added **IsCoprime**

- added **RootBound** and **graeffe**
- added **ChebyshevPoly**, **HermitePoly** and **LaguerrePoly** (families of orthogonal polynomials)
- added **HilbertMat** (create matrix over QQ with (i,j) entry being $1/(i+j-1)$)
- added **RandomSparseNonSing01Mat** (create a random sparse non-singular (0,1) matrix)
- revised **InvMod** so that caller can choose between exception or 0 result if inverse does not exist

PS keeping adding new things as we do them!!

#4 - 19 Jul 2017 19:27 - John Abbott

I would like to make a "release" for ISSAC/SC2 School. That is very soon, and there is probably not enough time to make a proper "stable release", but we could make an interim release. Currently CoCoALib is at 0.99554.

What do you think?

#5 - 06 Nov 2017 13:40 - John Abbott

- Related to Support #624: Wikipedia added

#6 - 06 Nov 2017 15:08 - John Abbott

- Related to Support #1058: CoCoALib version in Documentation and Examples added

#7 - 08 Nov 2017 18:32 - John Abbott

- % Done changed from 10 to 30

#8 - 16 Jan 2018 11:39 - Anna Maria Bigatti

- Related to Support #1061: Release: CoCoA-5.2.2 added

#9 - 16 Jan 2018 16:13 - Anna Maria Bigatti

uploaded manuals to research gate

#10 - 17 Jan 2018 12:07 - Anna Maria Bigatti

- Related to Support #1149: Release: CoCoALib-0.99600 (together with CoCoA-5.2.4) added

#11 - 17 Jan 2018 12:09 - Anna Maria Bigatti

- Category changed from Tidying to Various

- Status changed from In Progress to Closed

- % Done changed from 30 to 100