CoCoALib - Support #1056

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

28 Apr 2017 17:02 - Anna Maria Bigatti

		-		
Closed	Start date:	08 Apr 2014		
Normal	Due date:			
Anna Maria Bigatti	% Done:	100%		
Various	Estimated time:	5.00 hours		
CoCoALib-0.99560	Spent time:	4.45 hours		
Everything related to making a CoCoALib release:				
 Redmine Roadmap: close or postpone issue Redmine Release issues: check percentages, check timings Finalize make veryclean; make (full make, with all tests and examples and CoCoA-5) tests: make valgrind CoCoA-5: make ManExamples create snapshot upload examples upload manual update webpage publish manual (arXiv? ResearchGate?) close release on Redmine 				
ebook page				
port #624: Wikipedia		New	12 Sep 2014	
port #1058: CoCoALib version in Documentation	n and Ex	Closed	04 May 2017	
oort #1061: Release: CoCoA-5.2.2		Closed	01 Aug 2014	
port #1149: Release: CoCoALib-0.99600 (toget	her wit	Closed	17 Jan 2018	06 Aug 2018
upport #944: Release: CoCoALib-0.99550 (toge	her with	Closed	08 Apr 2014	
	Closed Normal Anna Maria Bigatti Various CoCoALib-0.99560 aking a CoCoALib release: c): close or postpone issue ssues: check percentages, check timings ake (full make, with all tests and examples d anExamples Kiv? ResearchGate?) edmine rebook page port #624: Wikipedia port #1058: CoCoALib version in Documentation port #1058: CoCoALib version in Documentation port #1061: Release: CoCoA-5.2.2 port #1149: Release: CoCoALib-0.99600 (toget upport #944: Release: CoCoALib-0.99550 (toget	Closed Start date: Normal Due date: Anna Maria Bigatti % Done: Various Estimated time: CoCoALib-0.99560 Spent time: aking a CoCoALib release: Spent time: b: close or postpone issue ssues: check percentages, check timings ake (full make, with all tests and examples and CoCoA-5) d anExamples Kiv? ResearchGate?) edmine eebook page port #624: Wikipedia port #1058: CoCoALib version in Documentation and Ex port #1058: CoCoALib version in Documentation and Ex port #1061: Release: CoCoA-5.2.2 port #1149: Release: CoCoALib-0.99600 (together wit upport #944: Release: CoCoALib-0.99550 (together wit	Closed Start date: 08 Apr 2014 Normal Due date: 9 Anna Maria Bigatti % Done: 100% Various Estimated time: 5.00 hours CoCoALib-0.99560 Spent time: 4.45 hours Aking a CoCoALib release: Spent time: 4.45 hours accose or postpone issue ssues: check percentages, check timings ake (full make, with all tests and examples and CoCoA-5) anExamples Kiv? ResearchGate?) Kiv? ResearchGate?) New port #624: Wikipedia New Closed Closed port #1058: CoCoALib version in Documentation and Ex Closed Closed port #1061: Release: CoCoA-5.2.2 Closed Losed port #1149: Release: CoCoALib-0.99500 (together wit Closed Losed upport #944: Release: CoCoALib-0.99500 (together wit Closed Losed	Closed Start date: 08 Apr 2014 Normal Due date: 9 Anna Maria Bigatti % Done: 100% Various Estimated time: 5.00 hours CoCoALib-0.99560 Spent time: 4.45 hours Anna Maria Bigatti % Done: 4.45 hours CoCoALib-0.99560 Spent time: 4.45 hours Iking a CoCoALib release: 5: close or postpone issue 5: close or postpone issue ssues: check percentages, check timings ake (full make, with all tests and examples and CoCoA-5) d anExamples Kiv? ResearchGate?) New 12 Sep 2014 port #624: Wikipedia New 12 Sep 2014 Of May 2017 port #1058: CoCoALib version in Documentation and Ex Closed 04 May 2017 port #1061: Release: CoCoA-5.2.2 Closed 01 Aug 2014 port #1149: Release: CoCoALib-0.99600 (together wit Closed 17 Jan 2018 upport #944: Release: CoCoALib-0.99550 (together wit 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)
- $\bullet\,$ added new fns $\ensuremath{\mathsf{IsInRadical}}\,$ and $\ensuremath{\mathsf{MinPowerInIdeal}}\,$
- 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 (se #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