CoCoALib - Support #1687

Release CoCoALib 0.99850

13 Jun 2022 15:12 - John Abbott

Status:	In Progress	**Start date:**	13 Jun 2022
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	50%
Category:	Various	**Estimated time:**	0.00 hour
Target version:	CoCoALib-0.99850	**Spent time:**	3.25 hours

Description

Everything related to making a CoCoALib release:

- Redmine Roadmap: close or postpone issue
- Redmine Release issues: check percentages, check timings
- Finalize
- update version for cocoalib and cocoa5
- make veryclean; make (full make, with all tests and examples and CoCoA-5..)
- check version in all documentation/manuals
- cd src/tests/; make valgrind
- cd src/CoCoA-5; make ManExamples (readline may truncate echo lines if too long)
- cvs log -d ">2020-05-01" -S -N > LOG-CoCoA.txt
- ~/shell-scripts/cocoalib-cvs-snapshot.sh
- upload examples
- upload manual
- update webpage
- publish manual (arXiv? ResearchGate?)
- close release on Redmine

--> send message to facebook page

Related issues:

Related to CoCoALib - Support #1810: Release CoCoALib 0.99900	**New**	**28 Mar 2024**
Related to CoCoALib - Support #1481: Release CoCoALib 0.99800	**Closed**	**28 Aug 2020**

History

#1 - 13 Jun 2022 15:13 - John Abbott

Release issues:
https://cocoa.dima.unige.it/redmine/projects/cocoalib/issues?query_id=48

Here is a list of the main changes (from 0.99800)
2024-03-28: Work in progress

Added:

- added fns **elim** and **saturate**
- added fn **RandomNBitPrime**
- added fn **CatalanNumber**
- added fn **CoeffVecWRTSupport**
- added fns **CyclotomicTest** and **CyclotomicIndex**
- added fns **IsLRSDegenerate**, **IsLRSDegenerateOrder** *(all by Nico Mexis)*
- added fn **LRSDegeneracyOrder** and **LRSDegeneracyOrders**
- added fn **cyclotomic** (ported from CoCoA, orig by Fabio Rossi); also now faster
- added fns **InvTotient**, **InvTotientBound**, **InvTotientBoundUpto**
- added fn **CoprimeFactor**
- added fn **IsPrimitivePoly** (name is not ideal)
- added fn **AllFactors** (for a small integer)
- added class **TupleIter** for iterating over tuples
- added operators **+= -= *=** and **/=** for matrices

Removed:

- SizeInBase is now obsolete

Renamed/changed:

- **REVISED SEMANTICS** for IsIrred: for polys applies only to primitive part (*i.e.* ignores content)
- new interface for **exponents**

Improved:

- fixed bug in **IsPalindromic** (could cause *undefined behaviour*)
- **FloorLog2** is now faster
- fixed bug when computing rank of matrix with 0 rows (now gives 0)

Interruptible:

#2 - 30 Nov 2022 18:29 - Anna Maria Bigatti

- Related to Bug #1662: txt2tags: problem with filenames containing "_" or "-" added

#3 - 08 Feb 2024 21:51 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 10

#4 - 16 Mar 2024 21:25 - John Abbott

- % Done changed from 10 to 50

#5 - 28 Mar 2024 15:28 - Anna Maria Bigatti

- Related to Support #1810: Release CoCoALib 0.99900 added

#6 - 28 Mar 2024 15:29 - Anna Maria Bigatti

- Related to Support #1481: Release CoCoALib 0.99800 added

#7 - 28 Mar 2024 15:36 - Anna Maria Bigatti

- Related to Support #1555: Software licence added

#8 - 28 Mar 2024 16:06 - Anna Maria Bigatti

- Related to Design #854: Function MakeTermOrd should be renamed MakeTermOrdMat? added

#9 - 28 Mar 2024 16:10 - Anna Maria Bigatti

- Related to deleted (Support #1555: Software licence)

#10 - 28 Mar 2024 16:22 - Anna Maria Bigatti

- Related to deleted (Design #854: Function MakeTermOrd should be renamed MakeTermOrdMat?)

#11 - 28 Mar 2024 16:44 - Anna Maria Bigatti

- Related to Bug #111: Mod fn for computing remainder added

#12 - 28 Mar 2024 16:44 - Anna Maria Bigatti

- Related to Bug #536: Make RingBase::myCharacteristic a fn rather than a proc added

#13 - 28 Mar 2024 16:45 - Anna Maria Bigatti

- Related to Bug #1361: Compilation fails when compiling with libgsl added

#14 - 28 Mar 2024 16:46 - Anna Maria Bigatti

- Related to deleted (Bug #1662: txt2tags: problem with filenames containing "_" or "-")

#15 - 29 Mar 2024 08:22 - Anna Maria Bigatti

done   Redmine Roadmap: close or postpone issue
done   Redmine Release issues: check percentages, check timings
done   Finalize
done   update version for cocoalib and cocoa5
done   make veryclean; make (full make, with all tests and examples and CoCoA-5..)
check version in all documentation/manuals
no valgrind on MacOS   cd src/tests/; make valgrind
OpenSocket fails   cd src/CoCoA-5; make ManExamples (readline may truncate echo lines if too long)
wip   cvs log -d ">2020-05-01" -S -N > LOG-CoCoA.txt
~/shell-scripts/cocoalib-cvs-snapshot.sh
upload examples
upload manual
update webpage
publish manual (arXiv? ResearchGate?)
close release on Redmine

#16 - 29 Mar 2024 08:59 - Anna Maria Bigatti

- Description updated

- Assignee set to Anna Maria Bigatti

#17 - 29 Mar 2024 09:00 - Anna Maria Bigatti

- Related to deleted (Bug #111: Mod fn for computing remainder)

#18 - 29 Mar 2024 09:00 - Anna Maria Bigatti

- Related to deleted (Bug #536: Make RingBase::myCharacteristic a fn rather than a proc)

#19 - 29 Mar 2024 09:00 - Anna Maria Bigatti

- Related to deleted (Bug #1361: Compilation fails when compiling with libgsl)

#20 - 29 Mar 2024 10:42 - Anna Maria Bigatti

- Description updated