

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:			
<ul style="list-style-type: none">• 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