CoCoA-5

	2024-10				2024-11				2024-12				2025-1					2025-2				2025-3		
	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13
CoCoA																									
CoCoA-5	**CoCoA-5**																								
CoCoA-5 - CoCoA-5.4.2																									
Automatic mapping between (some) (...)																									
theValue makes copy																									
Elim ordering and matrix ordering (...)																									
C++11 compatibility questions																									
OpenOFile																									
Functions throwing error even though (...)																									
Janet Bases: port function into (...)																									
CoCoA-5 Projects for students (e.g. (...)																									
Installation instructions (on website)																									
port SmithNormalForm (CoCoA-4)package (...)																									
EmacsUI Source/SourceRegion produce (...)																									
New keyword "|->"? (same as "return")																									
Emacs UI; remove cruft																									
Eliminate package BinRepr																									
Review utility of package IO																									
CoCoAManual: improve part on input/output																									
Gaussian Elimination																									
Prototype package for Linear Commutative (...)																									
Variable It: assign before or after (...)																									
Automatic mapping of RingElem (in (...)																									
Speed of some Normaliz calls (NmzComputation)																									
NotBuiltin.cpkg5: indent for MODULE																									
Referring to indets with multiple (...)																									
C5 GUI: very slow when printing (...)																									
NewPolyRing with weights -- better (...)																									

Implicit: make easier to use with (...)
Add TUTORIALs to online manual
Clean up CoCoALibSupplement
Function "ideal" evaluates the (...)
radical is slow (compared to singular) (...)
"universal denominator" (related (...)
Microsoft (Windows 10, maybe other (...)
Separators for elements of a list
LinKerBasis is user-unfriendly
syz: apply to ModuleElem?
LaTeX package: power-product printing
CoCoAManual: AffHilbertFn accepts (...)
Eigenvectors: inconsistent return (...)
New function: IsEmpty
IsInRadical: for monomial ideals
Use Flatpak and/or Snap on Linux?
RealRoots: first point is sometimes (...)
RealRoots: rational roots (but (...)
MinPoly for matrix: fix in cocoalib (...)
SLUG: filling an array
append is slow
ker: for PolyAlgHom from QQ[x,y,z] (...)
GDPR: website, mailing list
MSatLinSolve: req minor improvements
Online manual entry for RingElem (...)
ShapeLemma: no manual entry
Split BuiltinFunctions-CoCoALib.C (...)
Interpreter: fns which accept INT (...)
Vim Plugin for CoCoA
Automatic conversion from RINGELEM (...)
CoCoA-5 manual: incorrect empty (...)
CoCoA manual: entry for operators, (...)
Package EdgeIdeal not documented
New function: find ?

GFan also for Microsoft?	
GUI with Qt5	
thmproving package	
Manual entry for NewPolyRing	
MakeTerm: implement in C++	
Stack overflow reading long list (...)	
HTML manual: search using keywords?	
Emacs UI: cocoa5-shell-check-process (...)	
Surprising parser error: INT+DOT+IDENTIFIER	
Automatic way to produce statically (...)	
Use symbolic links for release (...)	
Filenames in release CoCoAManual/html (...)	
IntersectList or IntersectionList	
Get indexed indets from a polyring	
Website: link to JSAG?	
HilbertSeries: make into proper (...)	
Lin alg with polys	
Packages: questions from Andraschko	
Documentation for making ring with (...)	
Emacs UI: indentation in a package	
Use "special" names for variables (...)	
SystemCommand in Microsoft version	
More flexible ring creation syntax (...)	
Initial ring	
Interpreter fn Value::from can (...)	
RingElem and IndetSymbols not compatible	
Install CoCoA-5 on MacOS-10.15+	
New functions: argmin, argmax	
Website: installation instructions (...)	
foreach with ref to list entry?	
CoCoA coding conventions for parser/interprer?	
CoeffOfTerm: in CoCoALibSupplement	
Man page for UniversalGBasis	
Add sagbi package	

Emacs: avoid making buffer visible (...)

subst: not checking args properly

DivAlg slower than NR

elim for modules

Geometrical theorem proving package

What does rad do?

RMap and image: obsolescent?

ApproxSolve: very imprecise

ApproxSolveTF

Slow sqfr: rad(f)

New fn ElapsedTimeFrom?

Multiline string literals (again)

Unhelpful behaviour in "compatibility (...)

SqFreeFactor crashes over non-perfect (...)

UnivariateIndetIndex: remove cocoa-5 (...)

Doc for the various BuiltIn files

EmacsUI: annoying colours

NewMat: should be obsolescent?

RingElem slow with many indets

Use filesystem::path instead of (...)

Missing/Incomplete manual entries

MinSubsetOfGens sometimes very (...)

RealRoots: crashes after interrupting

MinSubsetOfGens does not find min (...)

Allow user to choose whether to (...)

ApproxSolve and RationalSolve take (...)

Potentially confusing prompt: waiting (...)

Jordan Normal Form?

GCDList not documented

Refactor C++ impl in OnlineHelp

Version 5.4.0 requires Visual C++ (...)

BuiltinFunctions-GFan includes (...)

Should Starting be case-insensitive?

Manual entry for random (see also)

Release CoCoA 5.4.2	
boost-find-lib.sh	
Which BOOST libs are actually needed?	
Specifying BOOST in configure	
indent: return a string?	
Preliminary packages	
Linux: just 1 executable, should (...)	
Test tut-CoCoLA2	
IsDivisible error (in QuotRing)	
CRASH: equality test to a FUNCTION	
FactorINT with time-out	
New function: AdjacentMinors	
Fix call to HilbertPoly in test/TutHokkaido5	
Documentation/Manual for HilbertFn	
Printing of Hilbert series via (...)	
ManExamples target: need to reset (...)	
NewPolyRing with indices -- better (...)	
Quitting can be slow	
Emacs 29: Removal of obsolete entries	
Continued fraction: arg type RAT (...)	
GenReprCompute: SERIOUS ERROR	
Do not use random inside tests!!	
Makefile problem: needlessly relinks (...)	