

CoCoA-5

	2024-4				2024-5				2024-6				2024-7				2024-8				2024-9							
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
CoCoA	CoCoA-5																											
CoCoA-5	CoCoA-5																											
CoCoA-5 - CoCoA-5.4.2	CoCoA-5																											
Automatic mapping between (some) (...)	CoCoA-5																											
theValue makes copy	CoCoA-5																											
Elim ordering and matrix ordering (...)	CoCoA-5																											
C++11 compatibility questions	CoCoA-5																											
OpenOFile	CoCoA-5																											
Functions throwing error even though (...)	CoCoA-5																											
Janet Bases: port function into (...)	CoCoA-5																											
CoCoA-5 Projects for students (e.g. (...)	CoCoA-5																											
Installation instructions (on website)	CoCoA-5																											
port SmithNormalForm (CoCoA-4)package (...)	CoCoA-5																											
EmacsUI Source/SourceRegion produce (...)	CoCoA-5																											
New keyword " ->"? (same as "return")	CoCoA-5																											
Emacs UI; remove cruft	CoCoA-5																											
Eliminate package BinRepr	CoCoA-5																											
Review utility of package IO	CoCoA-5																											
CoCoAManual: improve part on input/output	CoCoA-5																											
Gaussian Elimination	CoCoA-5																											
Prototype package for Linear Commutative (...)	CoCoA-5																											
Variable It: assign before or after (...)	CoCoA-5																											
Automatic mapping of RingElem (in (...)	CoCoA-5																											
Speed of some Normaliz calls (NmzComputation)	CoCoA-5																											
NotBuiltin.cpkg5: indent for MODULE	CoCoA-5																											
Referring to indets with multiple (...)	CoCoA-5																											
C5 GUI: very slow when printing (...)	CoCoA-5																											
NewPolyRing with weights -- better (...)	CoCoA-5																											

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 Edgeldeal 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/interpreter?
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 (...)