CoCoA-5

		202	23-10			2	023-1	1			2023	3-12			20)24-1				20	24-2				2024	-3	
	40	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	1		_				-																		•		
CoCoA-5		CoCo	A-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	n)																										
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 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/interpret
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?	
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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
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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 ()