

CoCoA-5

	2024-12				2025-1					2025-2				2025-3				2025-4				2025-5			
	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
CoCoA	CoCoA-5																								
CoCoA-5	CoCoA-5																								
intersection	intersection																								
Hermite normal form	Hermite normal form																								
RingID: remove this function?	RingID: remove this function?																								
Profiling with clang	Profiling with clang																								
CanonicalHom	CanonicalHom																								
Manual of functions vs ManExamples	Manual of functions vs ManExamples																								
CoCoA-5 releases on redmine	CoCoA-5 releases on redmine																								
CoCoA-5 - CoCoA-5.4.2	CoCoA-5 - CoCoA-5.4.2																								
Automatic mapping between (some) (...)	Automatic mapping between (some) (...)																								
theValue makes copy	theValue makes copy																								
Elim ordering and matrix ordering (...)	Elim ordering and matrix ordering (...)																								
C++11 compatibility questions	C++11 compatibility questions																								
OpenOFile	OpenOFile																								
Functions throwing error even though (...)	Functions throwing error even though (...)																								
Janet Bases: port function into (...)	Janet Bases: port function into (...)																								
CoCoA-5 Projects for students (e.g. (...)	CoCoA-5 Projects for students (e.g. (...)																								
Installation instructions (on website)	Installation instructions (on website)																								
port SmithNormalForm (CoCoA-4)package (...)	port SmithNormalForm (CoCoA-4)package (...)																								
EmacsUI Source/SourceRegion produce (...)	EmacsUI Source/SourceRegion produce (...)																								
Emacs UI; remove cruft	Emacs UI; remove cruft																								
Eliminate package BinRepr	Eliminate package BinRepr																								
Review utility of package IO	Review utility of package IO																								
CoCoAManual: improve part on input/output	CoCoAManual: improve part on input/output																								
Gaussian Elimination	Gaussian Elimination																								
Prototype package for Linear Commutative (...)	Prototype package for Linear Commutative (...)																								
Speed of some Normaliz calls (NmzComputation)	Speed of some Normaliz calls (NmzComputation)																								

NotBuiltin.cpkg5: indent for MODULE
Referring to indets with multiple (...)
Implicit: make easier to use with (...)
Add TUTORIALs to online manual
Clean up CoCoALibSupplement
Function "ideal" evaluates the (...)
"universal denominator" (related (...)
Microsoft (Windows 10, maybe other (...)
Separators for elements of a list
LinKerBasis is user-unfriendly
CoCoAManual: AffHilbertFn accepts (...)
Eigenvectors: inconsistent return (...)
IsInRadical: for monomial ideals
Use Flatpak and/or Snap on Linux?
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
Documentation for making ring with (...)
Emacs UI: indentation in a package
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
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
RMap and image: obsolescent?

<p> ApproxSolveTF Slow sqfr: rad(f) New fn ElapsedTimeFrom? SqFreeFactor crashes over non-perfect (...) Doc for the various Builtin files EmacsUI: annoying colours NewMat: should be obsolescent? Use filesystem::path instead of (...) Missing/Incomplete manual entries MinSubsetOfGens sometimes very (...) RealRoots: crashes after interrupting 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 BuiltinFunctions-GFan includes (...) Should Starting be case-insensitive? Manual entry for random (see also) Release CoCoA 5.4.2 Preliminary packages Linux: just 1 executable, should (...) Documentation/Manual for HilbertFn ManExamples target: need to reset (...) NewPolyRing with indices -- better (...) Continued fraction: arg type RAT (...) GenReprCompute: SERIOUS ERROR Do not use random inside tests!! Makefile problem: needlessly relinks (...) CoCoA-5 - CoCoA-5.4.4 Approximate BuchbergerMoeller: (...) CoCoAManual: General part of the (...) Emacs UI: keywords in multiline (...) </p>	
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Emacs UI: send-file (C-c C-f) should (...)
Manual: remove old stuff about (...)
Revive old CoCoA4 package called (...)
Emacs UI: slow with long lines
Poor memory management?
Disable readline if input is redirected
SLUG: RationalSolve slow and stupid
Add CoCoA5 function NmzHilbertBasisKer
BuiltinOneLiners -- less precise (...)
CantStop playing CantStop
Unexpected or unhelpful error using (...)
Refine Poset impl & doc
Verbosity level in CoCoA5
EvalPolyAtMat
Make it easy to run the tests in (...)
Better error mesg for 1.2.3.4?
CoCoA web site "analytics"
Difference between seealso and (...)
Add CoCoA-5 syntax: syz(<F,> list (...)
New function ModuleElems? (like (...)
CoCoA-5 - CoCoA-5.?.?
(short) manual for emacs interface
GUI: open file "with C5"
Error/warning if fn-proc is neither (...)
sort is too slow
BringIn should map only the indets (...)
rethrow in Try .. UponError .. (...)
I:f (IDEAL and RINGELEM) -- (...)
Qt GUI: Make better distinction (...)
GUI: Add an edit menu to the top (...)
C-c C-p in emacs goes to wrong (...)
Negate LIST, MAT,...
Template for unaryMinus?
InputForm for output readable as (...)

Appunti per (eventuale) tesi triennale (...)
More curiously slow code -- squaring (...)
Add LucasTest to cocoa5?
TeXmacs interface
--fullCoCoALibError prints too (...)
Which functions are defined in (...)
Documentation for Parser/Interpreter
GUI: message "running.." (close (...)
system variables
Colon operator, 2nd arg
allow single function call in "use" (...)
Hilbert: Redesign hp.cpkg5 and (...)
port optimized resolutions to CoCoA-5
intersection (all lower case)
Allow user to give a name to a (...)
Bug or feature for protected name? (...)
Emacs UI: Name of emacs init file
Emacs UI: very slow when input (...)
Assignment to protected variable
Port function NewSymbol/NewSymbols (...)
Automatic conversion from INT (or (...)
interpolate
Emacs UI: indentation is wrong (...)
Eliminate keyword Alias?
gcd too slow for large degree univariate (...)
Unique copies of rings in CoCoA-5
Warning about variable hiding another (...)
ScalarProduct accepts MatrixRow?
Cleaning: Cruft in CoCoA-5 packages
New C5 fn for adjusting the warning (...)
Toric: resurrect function TestSet (...)
New operators: += -= *= /=
Resurrect MakeCheck()
GUI: better name for the graphical (...)

efficient subalgebras
Interpreter.C: remove calls to (...)
GUI: quitting provokes Imminent (...)
Add functions based on MayerVietorisTree
Output Betti numbers
Windows-GUI: compilation with MinGW
New operations? ScalarProduct(MODULEELEM,LIST), (...)
Unique copies of free modules?
Emacs UI: use "warning colour" (...)
MakeSet can be very slow
eval: in which ring should the (...)
use command, ring syntax, RingOf
Ring ID: separate index values (...)
Emacs UI: endfunc does not indent (...)
Emacs UI: C-c C-\ copies line cursor (...)
NUL char in input terminates CoCoA-5
Emacs UI: swapped splitting
Credits to CoCoA-5 contributors
Add more operations for modules
External Libs: missing dependencies (...)
External libs: specifying I/O streams (...)
Primary Decomposition in CoCoA-5
Elementary transcendental functions (...)
IsDefined does not follow reference (...)
New function: LeastDegPolynomial (...)
CoCoA type "cone"
Emacs UI: send-region and send-line (...)
floor, ceil, and NearestInt for (...)
append has bad complexity
Interpreter is too slow reading (...)
subst: allowed also for indets (...)
LOGAR: make CoCoA-5 easier to use
Escaped newline to allow a long (...)
When is a semicolon needed to end (...)

use command: unhelpful error if (...)
CallOnGroebnerFanIdeals: better (...)
Empty matrix: warning, error, or (...)
ciao, exit, quit can be used not (...)
Improve coverage of CoCoA-5 tests
Managing credits
New function: IdealAndSeparatorsOfPoints
New function: MakeMultiset?
CoeffSize: function to measure (...)
GroebnerFanIdeals: order matrices (...)
init file obligatory?
New function: RingQQi()? extension (...)
New syntax for creating poly rings?
External dependencies for building
Example of slow LEX GBasis computation
ScalarProduct: exact defn and manual (...)
Improve error message when args (...)
CoCoAManual: improved search, or (...)
PolyRing constructor: NewOrdvArith (...)
EmacsUI: interrupt copies line (...)
GUI: bugs and slugs
CoCoA Online: install (using InteractiveShell)
Port RowMat, ColMat, MatByRows,... (...)
Generic Timeout for CoCoA-5?
Latex: matrix
New function: gin for algebraic (...)
CoCoA should read unicode
Allow Interruption of printing?
incr and decr are slow
New Fn: make a homogeneous list (...)
LinearSimplify: sometimes not optimal
Matrixrow-functions
Create a directory
Emacs UI: open manual pages in (...)

Clean up package points.cpkg

User forum?

Windows: Qt-Gui does not link correctly

Daft slug