

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	22		
CoCoA				CoCoA-5																											
CoCoA-5																															
intersection																															
Hermite normal form																															
RingID: remove this function?																															
Profiling with clang																															
CanonicalHom																															
Manual of functions vs ManExamples																															
CoCoA-5 releases on redmine																															
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 (...)																															
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 (...)																															
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

<p>Manual entry for NewPolyRing</p> <p>MakeTerm: implement in C++</p> <p>Stack overflow reading long list (...)</p> <p>HTML manual: search using keywords?</p> <p>Emacs UI: cocoa5-shell-check-process (...)</p> <p>Surprising parser error: INT+DOT+IDENTIFIER</p> <p>Automatic way to produce statically (...)</p> <p>Use symbolic links for release (...)</p> <p>Filenames in release CoCoAManual/html (...)</p> <p>IntersectList or IntersectionList</p> <p>Get indexed indets from a polyring</p> <p>Website: link to JSAG?</p> <p>HilbertSeries: make into proper (...)</p> <p>Lin alg with polys</p> <p>Documentation for making ring with (...)</p> <p>Emacs UI: indentation in a package</p> <p>SystemCommand in Microsoft version</p> <p>More flexible ring creation syntax (...)</p> <p>Initial ring</p> <p>Interpreter fn Value::from can (...)</p> <p>RingElem and IndetSymbols not compatible</p> <p>Install CoCoA-5 on MacOS-10.15+</p> <p>New functions: argmin, argmax</p> <p>foreach with ref to list entry?</p> <p>CoCoA coding conventions for parser/interpreter?</p> <p>CoeffOfTerm: in CoCoALibSupplement</p> <p>Man page for UniversalGBasis</p> <p>Add sagbi package</p> <p>Emacs: avoid making buffer visible (...)</p> <p>subst: not checking args properly</p> <p>DivAlg slower than NR</p> <p>elim for modules</p> <p>Geometrical theorem proving package</p> <p>RMap and image: obsolescent?</p>	
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<p> <b>ApproxSolveTF</b>  <b>Slow sqfr: rad(f)</b>  <b>New fn ElapsedTimeFrom?</b>  <b>SqFreeFactor crashes over non-perfect (...)</b>  <b>Doc for the various Builtin files</b>  <b>EmacsUI: annoying colours</b>  <b>NewMat: should be obsolescent?</b>  <b>Use filesystem::path instead of (...)</b>  <b>Missing/Incomplete manual entries</b>  <b>MinSubsetOfGens sometimes very (...)</b>  <b>RealRoots: crashes after interrupting</b>  <b>Allow user to choose whether to (...)</b>  <b>ApproxSolve and RationalSolve take (...)</b>  <b>Potentially confusing prompt: waiting (...)</b>  <b>Jordan Normal Form?</b>  <b>GCDList not documented</b>  <b>Refactor C++ impl in OnlineHelp</b>  <b>BuiltinFunctions-GFan includes (...)</b>  <b>Should Starting be case-insensitive?</b>  <b>Manual entry for random (see also)</b>  <b>Release CoCoA 5.4.2</b>  <b>Preliminary packages</b>  <b>Linux: just 1 executable, should (...)</b>  <b>Documentation/Manual for HilbertFn</b>  <b>ManExamples target: need to reset (...)</b>  <b>NewPolyRing with indices -- better (...)</b>  <b>Continued fraction: arg type RAT (...)</b>  <b>GenReprCompute: SERIOUS ERROR</b>  <b>Do not use random inside tests!!</b>  <b>Makefile problem: needlessly relinks (...)</b>  <b>CoCoA-5 - CoCoA-5.4.4</b>  <b>Approximate BuchbergerMoeller: (...)</b>  <b>CoCoAManual: General part of the (...)</b>  <b>Emacs UI: keywords in multiline (...)</b> </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 (...)

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



<b>Clean up package points.cpkg</b> <b>User forum?</b> <b>Windows: Qt-Gui does not link correctly</b> <b>Daft slug</b>	
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