

CoCoA-5

	2024-8					2024-9					2024-10					2024-11					2024-12					2025-1				
	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4					
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)																														

<p> <b>NotBuiltin.cpkg5: indent for MODULE</b>  <b>Referring to indets with multiple (...)</b>  <b>Implicit: make easier to use with (...)</b>  <b>Add TUTORIALs to online manual</b>  <b>Clean up CoCoALibSupplement</b>  <b>Function "ideal" evaluates the (...)</b>  <b>"universal denominator" (related (...)</b>  <b>Microsoft (Windows 10, maybe other (...)</b>  <b>Separators for elements of a list</b>  <b>LinKerBasis is user-unfriendly</b>  <b>CoCoAManual: AffHilbertFn accepts (...)</b>  <b>Eigenvectors: inconsistent return (...)</b>  <b>IsInRadical: for monomial ideals</b>  <b>Use Flatpak and/or Snap on Linux?</b>  <b>RealRoots: rational roots (but (...)</b>  <b>MinPoly for matrix: fix in cocoalib (...)</b>  <b>SLUG: filling an array</b>  <b>append is slow</b>  <b>ker: for PolyAlgHom from QQ[x,y,z] (...)</b>  <b>GDPR: website, mailing list</b>  <b>MSatLinSolve: req minor improvements</b>  <b>Online manual entry for RingElem (...)</b>  <b>ShapeLemma: no manual entry</b>  <b>Split BuiltinFunctions-CoCoALib.C (...)</b>  <b>Interpreter: fns which accept INT (...)</b>  <b>Vim Plugin for CoCoA</b>  <b>Automatic conversion from RINGELEM (...)</b>  <b>CoCoA-5 manual: incorrect empty (...)</b>  <b>CoCoA manual: entry for operators, (...)</b>  <b>Package Edgeldeal not documented</b>  <b>New function: find ?</b>  <b>GFan also for Microsoft?</b>  <b>GUI with Qt5</b>  <b>thmproving package</b> </p>	
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<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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<p>Emacs UI: send-file (C-c C-f) should (...)</p> <p>Manual: remove old stuff about (...)</p> <p>Revive old CoCoA4 package called (...)</p> <p>Emacs UI: slow with long lines</p> <p>Poor memory management?</p> <p>Disable readline if input is redirected</p> <p>SLUG: RationalSolve slow and stupid</p> <p>Add CoCoA5 function NmzHilbertBasisKer</p> <p>BuiltinOneLiners -- less precise (...)</p> <p>CantStop playing CantStop</p> <p>Unexpected or unhelpful error using (...)</p> <p>Refine Poset impl &amp; doc</p> <p>Verbosity level in CoCoA5</p> <p>EvalPolyAtMat</p> <p>Make it easy to run the tests in (...)</p> <p>Better error mesg for 1.2.3.4?</p> <p>CoCoA web site "analytics"</p> <p>Difference between seealso and (...)</p> <p>Add CoCoA-5 syntax: syz(&lt;F,&gt; list (...)</p> <p>New function ModuleElems? (like (...)</p> <p>CoCoA-5 - CoCoA-5.?.?</p> <p>(short) manual for emacs interface</p> <p>GUI: open file "with C5"</p> <p>Error/warning if fn-proc is neither (...)</p> <p>sort is too slow</p> <p>BringIn should map only the indets (...)</p> <p>rethrow in Try .. UponError .. (...)</p> <p>I:f (IDEAL and RINGELEM) -- (...)</p> <p>Qt GUI: Make better distinction (...)</p> <p>GUI: Add an edit menu to the top (...)</p> <p>C-c C-p in emacs goes to wrong (...)</p> <p>Negate LIST, MAT,...</p> <p>Template for unaryMinus?</p> <p>InputForm for output readable as (...)</p>	
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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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