

CoCoA-5

		2024-3				2024-4				2024-5				2024-6				2024-7				2024-8													
		10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35								
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> 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>	
---	--

<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>	
--	--

<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>	
---	--

<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 & 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(<F,> 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>	
---	--

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>	
--	--

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	
---	--