

## CoCoA-5 - Issues

Estimated time: 474.36

#	Tracker	Status	Subject	Estimated time
1722	Slug	In Progress	Daft slug	
1713	Bug	In Progress	Windows: Qt-Gui does not link correctly	
1707	Support	New	User forum?	
1351	Bug	New	Clean up package points.cpkg	
1314	Support	In Progress	Emacs UI: open manual pages in a separate frame?	
1305	Feature	New	Create a directory	
1296	Feature	In Progress	Matrixrow-functions	
1291	Bug	New	LinearSimplify: somtimes not optimal	
1285	Feature	New	New Fn: make a homogeneous list of ringelem	
1275	Slug	New	incr and decr are slow	
1271	Feature	In Progress	Allow Interruption of printing?	
1234	Bug	In Progress	CoCoA should read unicode	
1153	Feature	New	New function: gin for algebraic extensions	
1138	Design	New	Latex: matrix	
1129	Feature	In Progress	Generic Timeout for CoCoA-5?	
1116	Design	New	Port RowMat, ColMat, MatByRows,... to CoCoA-5	8.0
1107	Feature	New	CoCoA Online: install (using InteractiveShell)	
1093	Bug	In Progress	GUI: bugs and slugs	
1076	Bug	New	EmacsUI: interrupt copies line cursor is on to bottom then interrupts	
1068	Slug	In Progress	PolyRing constructor: NewOrdvArith computed twice	
1054	Support	New	CoCoAManual: improved search, or improved selection of "see also" pages	
1034	Support	New	Improve error message when args to (infix operator) lsln have incompatible types	
1031	Support	New	ScalarProduct: exact defn and manual page	
1025	Slug	In Progress	Example of slow LEX GBasis computation	
1006	Support	In Progress	External dependencies for building	
1003	Feature	In Progress	New syntax for creating poly rings?	
993	Feature	In Progress	New function: RingQQi()? extension of QQ with imaginary unit	
989	Design	In Progress	init file obligatory?	
984	Design	New	GroebnerFanIdeals: order matrices sometimes have "large" entries	
980	Feature	In Progress	CoeffSize: function to measure the size of coeffs in a poly	3.0

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964	Feature	New	New function: MakeMultiset?	2.0
960	Feature	New	New function: IdealAndSeparatorsOfPoints	
943	Design	In Progress	Managing credits	
941	Support	New	Improve coverage of CoCoA-5 tests	
928	Bug	New	ciao, exit, quit can be used not only at top level	
920	Design	New	Empty matrix: warning, error, or empty matrix?	
917	Design	New	CallOnGroebnerFanIdeals: better to use an iterator (or a "stream")	
916	Support	New	use command: unhelpful error if you use := instead of ::=	
915	Support	New	When is a semicolon needed to end a statement/command?	
888	Feature	New	Escaped newline to allow a long line to be split into several "physical lines"	
879	Support	New	LOGAR: make CoCoA-5 easier to use	
876	Feature	New	subst: allowed also for indets in the coeff ring	
875	Slug	In Progress	Interpreter is too slow reading a big polynomial	
862	Slug	New	append has bad complexity	
857	Feature	New	floor, ceil, and NearestInt for RingElem in CoCoA-5?	
772	Bug	In Progress	Emacs UI: send-region and send-line make sense inside a cpkg5 file?	
770	Feature	New	CoCoA type "cone"	
753	Bug	New	New function: LeastDegPolynomial (LDP)	
749	Bug	New	IsDefined does not follow reference to undefined optional param	
737	Feature	In Progress	Elementary transcendental functions (sin, cos, tan, log, exp)	
731	Feature	In Progress	Primary Decomposition in CoCoA-5	
720	Feature	New	External libs: specifying I/O streams (initialization?)	
712	Bug	In Progress	External Libs: missing dependencies in Makefiles	
702	Feature	New	Add more operations for modules	5.0
677	Support	New	Credits to CoCoA-5 contributors	
671	Bug	New	Emacs UI: swapped splitting	
669	Bug	New	NUL char in input terminates CoCoA-5	
663	Bug	New	Emacs UI: C-c C-\ copies line cursor is on	
660	Bug	New	Emacs UI: endfunc does not indent the line	
659	Feature	New	Ring ID: separate index values for "system created rings"?	
657	Feature	New	use command, ring syntax, RingOf	
656	Design	New	eval: in which ring should the result be?	
655	Slug	New	MakeSet can be very slow	

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653	Feature	New	Emacs UI: use "warning colour" for an unmatched */	
646	Design	New	Unique copies of free modules?	
633	Feature	New	New operations? ScalarProduct(MODULELEM,LIST), MATRIX * MODULELEM	
629	Support	In Progress	Windows-GUI: compilation with MinGW	10.0
626	Feature	New	Output Betti numbers	
614	Feature	In Progress	Add functions based on MayerVietorisTree	4.0
612	Bug	Closed	The C5 gui does not exit properly when using the exit menu entry	0.61
611	Bug	New	GUI: quitting provokes Imminent Disaster	
600	Feature	New	efficient subalgebras	
597	Design	New	Interpreter.C: remove calls to WrongTypeException	
527	Design	New	GUI: better name for the graphical interface?	
512	Feature	New	Resurrect MakeCheck()	1.0
504	Feature	In Progress	New operators: += -= *= /=	
501	Feature	New	Toric: resurrect function TestSet (and find better name for it?)	
492	Feature	New	New C5 fn for adjusting the warning level	
491	Design	In Progress	Cleaning: Cruft in CoCoA-5 packages	
487	Feature	New	ScalarProduct accepts MatrixRow?	
486	Bug	New	Warning about variable hiding another -- too zealous	20.0
483	Design	New	Unique copies of rings in CoCoA-5	
480	Slug	New	gcd too slow for large degree univariate poly	
477	Design	New	Eliminate keyword Alias?	
468	Bug	New	Emacs UI: indentation is wrong after ?keyword	
454	Feature	New	interpolate	
453	Feature	In Progress	Automatic conversion from INT (or RAT) to RINGELEM	
451	Feature	In Progress	Port function NewSymbol/NewSymbols to CoCoA-5	
435	Slug	New	Assignment to protected variable	
434	Slug	New	Emacs UI: very slow when input file is big (with long lines)	
424	Design	In Progress	Emacs UI: Name of emacs init file	7.0
422	Bug	New	Bug or feature for protected name? (Use command)	
421	Feature	New	Allow user to give a name to a ring (in C5)	
412	Design	In Progress	intersection (all lower case)	4.0
388	Feature	New	port optimized resolutions to CoCoA-5	
376	Design	In Progress	Hilbert: Redesign hp.cpkg5 and public functions in TmpHilbert.C	

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375	Feature	New	allow single function call in "use" : e.g. "Use NewFractionField(R);"	
363	Design	New	Colon operator, 2nd arg	
323	Support	New	system variables	
299	Feature	New	GUI: message "running.." (close to output window?)	
296	Support	In Progress	Documentation for Parser/Interpreter	
290	Support	In Progress	Which functions are defined in CoCoALibSupplement?	2.0
287	Bug	New	--fullCoCoALibError prints too much (Try/UponError)	35.0
276	Feature	New	TeXmacs interface	
274	Feature	In Progress	InputForm for output readable as input	4.0
235	Feature	New	Add LucasTest to cocoa5?	
230	Slug	New	More curiously slow code -- squaring a polynomial	
198	Support	New	Appunti per (eventuale) tesi triennale Informatica: CoCoA GUI	300.0
183	Feature	New	Template for unaryMinus?	
171	Bug	New	Negate LIST, MAT,...	5.0
148	Bug	In Progress	C-c C-p in emacs goes to wrong line	
136	Feature	New	GUI: Add an edit menu to the top bar (CoCoA GUI on MacOS)	
133	Feature	New	Qt GUI: Make better distinction between input and output in the output window	30.0
106	Feature	In Progress	l:f (IDEAL and RINGELEM) -- operator colon	3.0
101	Feature	New	rethrow in Try .. UponError .. EndTry	
100	Bug	New	BringIn should map only the indets in its arg	15.0
96	Slug	New	sort is too slow	15.0
95	Feature	New	Error/warning if fn-proc is neither fn nor proc?	
38	Bug	New	GUI: open file "with C5"	
35	Feature	Rejected	Optional warnings for fn-proc arity	0.75
13	Feature	New	(short) manual for emacs interface	