CoCoA-5 - Issues

#	Tracker	Status	Subject	Estimated time
13	Feature	New	(short) manual for emacs interface	
35	Feature	Rejected	Optional warnings for fn-proc arity	0.75
38	Bug	New	GUI: open file "with C5"	
95	Feature	New	Error/warning if fn-proc is neither fn nor proc?	
96	Slug	New	sort is too slow	15.0
100	Bug	New	BringIn should map only the indets in its arg	15.0
101	Feature	New	rethrow in Try .. UponError .. EndTry	
106	Feature	In Progress	I:f (IDEAL and RINGELEM) -- operator colon	3.0
133	Feature	New	Qt GUI: Make better distinction between input and output in the output window	30.0
136	Feature	New	GUI: Add an edit menu to the top bar (CoCoA GUI on MacOS)	
148	Bug	In Progress	C-c C-p in emacs goes to wrong line	
171	Bug	New	Negate LIST, MAT,...	5.0
183	Feature	New	Template for unaryMinus?	
198	Support	New	Appunti per (eventuale) tesi triennale Informatica: CoCoA GUI	300.0
230	Slug	New	More curiously slow code -- squaring a polynomial	
235	Feature	New	Add LucasTest to cocoa5?	
274	Feature	In Progress	InputForm for output readable as input	4.0
276	Feature	New	TeXmacs interface	
287	Bug	New	--fullCoCoALibError prints too much (Try/UponError)	35.0
290	Support	In Progress	Which functions are defined in CoCoALibSupplement?	2.0
296	Support	In Progress	Documentation for Parser/Interpreter	
299	Feature	New	GUI: message "running.." (close to output window?)	
323	Support	New	system variables	
363	Design	New	Colon operator, 2nd arg	
375	Feature	New	allow single function call in "use" : e.g. "Use NewFractionField(R);"	
376	Design	In Progress	Hilbert: Redesign hp.cpkg5 and public functions in TmpHilbert.C	
388	Feature	New	port optimized resolutions to CoCoA-5	
412	Design	In Progress	intersection (all lower case)	4.0
421	Feature	New	Allow user to give a name to a ring (in C5)	
422	Bug	New	Bug or feature for protected name? (Use command)	

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424	Design	In Progress	Emacs UI: Name of emacs init file	7.0
434	Slug	New	Emacs UI: very slow when input file is big (with long lines)	
435	Slug	New	Assignment to protected variable	
451	Feature	In Progress	Port function NewSymbol/NewSymbols to CoCoA-5	
453	Feature	In Progress	Automatic conversion from INT (or RAT) to RINGELEM	
454	Feature	New	interpolate	
468	Bug	New	Emacs UI: indentation is wrong after ?keyword	
477	Design	New	Eliminate keyword Alias?	
480	Slug	New	gcd too slow for large degree univariate poly	
483	Design	New	Unique copies of rings in CoCoA-5	
486	Bug	New	Warning about variable hiding another -- too zealous	20.0
487	Feature	New	ScalarProduct accepts MatrixRow?	
491	Design	In Progress	Cleaning: Cruft in CoCoA-5 packages	
492	Feature	New	New C5 fn for adjusting the warning level	
501	Feature	New	Toric: resurrect function TestSet (and find betterr name for it?)	
504	Feature	In Progress	New operators: += -= *= /=	
512	Feature	New	Resurrect MakeCheck()	1.0
527	Design	New	GUI: better name for the graphical interface?	
597	Design	New	Interpreter.C: remove calls to WrongTypeException	
600	Feature	New	efficient subalgebras	
611	Bug	New	GUI: qutting provokes Imminent Disaster	
612	Bug	Closed	The C5 gui does not exit properly when using the exit menu entry	0.61
614	Feature	In Progress	Add functions based on MayerVietorisTree	4.0
626	Feature	New	Output Betti numbers	
629	Support	In Progress	Windows-GUI: compilation with MinGW	10.0
633	Feature	New	New operations? ScalarProduct(MODULELEM,LIST), MATRIX * MODULELEM	
646	Design	New	Unique copies of free modules?	
653	Feature	New	Emacs UI: use "warning colour" for an unmatched */	
655	Slug	New	MakeSet can be very slow	
656	Design	New	eval: in which ring should the result be?	
657	Feature	New	use command, ring syntax, RingOf	
659	Feature	New	Ring ID: separate index values for "system created rings"?	
660	Bug	New	Emacs UI: endfunc does not indent the line	

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663	Bug	New	Emacs UI: C-c C-\ copies line cursor is on	
669	Bug	New	NUL char in input terminates CoCoA-5	
671	Bug	New	Emacs UI: swapped splitting	
677	Support	New	Credits to CoCoA-5 contributors	
702	Feature	New	Add more operations for modules	5.0
712	Bug	In Progress	External Libs: missing dependencies in Makefiles	
720	Feature	New	External libs: specifying I/O streams (initialization?)	
731	Feature	In Progress	Primary Decomposition in CoCoA-5	
737	Feature	In Progress	Elementary transcendental functions (sin, cos, tan, log, exp)	
749	Bug	New	IsDefined does not follow reference to undefined optional param	
753	Bug	New	New function: LeastDegPolynomial (LDP)	
770	Feature	New	CoCoA type "cone"	
772	Bug	In Progress	Emacs UI: send-region and send-line make sense inside a cpkg5 file?	
857	Feature	New	floor, ceil, and NearestInt for RingElem in CoCoA-5?	
862	Slug	New	append has bad complexity	
875	Slug	In Progress	Interpreter is too slow reading a big polynomial	
876	Feature	New	subst: allowed also for indets in the coeff ring	
879	Support	New	LOGAR: make CoCoA-5 easier to use	
888	Feature	New	Escaped newline to allow a long line to be split into several "physical lines"	
915	Support	New	When is a semicolon needed to end a statement/command?	
916	Support	New	use command: unhelpful error if you use := instead of ::=	
917	Design	New	CallOnGroebnerFanIdeals: better to use an iterator (or a "stream")	
920	Design	New	Empty matrix: warning, error, or empty matrix?	
928	Bug	New	ciao, exit, quit can be used not only at top level	
941	Support	New	Improve coverage of CoCoA-5 tests	
943	Design	In Progress	Managing credits	
960	Feature	New	New function: IdealAndSeparatorsOfPoints	
964	Feature	New	New function: MakeMultiset?	2.0
980	Feature	In Progress	CoeffSize: function to measure the size of coeffs in a poly	3.0
984	Design	New	GroebnerFanIdeals: order matrices sometimes have "large" entries	
989	Design	In Progress	init file obligatory?	
993	Feature	In Progress	New function: RingQQi()? extension of QQ with imaginary unit	
1003	Feature	In Progress	New syntax for creating poly rings?	

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