

## CoCoA-5 - Issues

Estimated time: 124.83

#	Tracker	Status	Subject	Estimated time
1795	Bug	Feedback	Makefile problem: needlessly relinks CoCoAInterpreter	
1794	Bug	Resolved	Do not use random inside tests!!	
1781	Bug	Feedback	GenReprCompute: SERIOUS ERROR	
1772	Design	New	Continued fraction: arg type RAT or RAT/INT?	
1766	Bug	Closed	Emacs 29: Removal of obsolete entries	
1760	Slug	Closed	Quitting can be slow	0.95
1747	Feature	New	NewPolyRing with indices -- better interface?	
1746	Bug	Feedback	ManExamples target: need to reset VerbosityLevel	
1745	Bug	Closed	Printing of Hilbert series via indent	1.67
1741	Support	In Progress	Documentation/Manual for HilbertFn	
1734	Bug	Closed	Fix call to HilbertPoly in test/TutHokkaido5	1.0
1724	Feature	Closed	New function: AdjacentMinors	
1718	Feature	Closed	FactorINT with time-out	4.1
1717	Bug	Closed	CRASH: equality test to a FUNCTION	1.11
1714	Bug	Closed	IsDivisible error (in QuotRing)	1.99
1709	Design	Closed	Test tut-CoCoLA2	1.01
1708	Bug	New	Linux: just 1 executable, should be 2 (with & without readline)	
1701	Feature	In Progress	Preliminary packages	
1698	Design	Closed	indent: return a string?	2.66
1697	Design	Closed	Specifying BOOST in configure	4.49
1696	Design	Closed	Which BOOST libs are actually needed?	2.49
1695	Bug	Closed	boost-find-lib.sh	0.88
1688	Support	In Progress	Release CoCoA 5.4.2	
1686	Support	New	Manual entry for random (see also)	
1681	Design	In Progress	Should Starting be case-insensitive?	
1679	Design	New	BuiltinFunctions-GFan includes normaliz?!?	
1675	Support	Closed	Version 5.4.0 requires Visual C++ Runtime 2013 on Windows	
1671	Feature	New	Refactor C++ impl in OnlineHelp	
1663	Support	New	GCDList not documented	
1659	Feature	New	Jordan Normal Form?	

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1650	Support	In Progress	Potentially confusing prompt: waiting for semicolon	
1648	Feature	New	ApproxSolve and RationalSolve take different input	
1644	Feature	In Progress	Allow user to choose whether to print finite field elems as symm residues or non-neg residue	
1640	Bug	Closed	MinSubsetOfGens does not find min subset	1.66
1639	Bug	New	RealRoots: crashes after interrupting	
1638	Slug	New	MinSubsetOfGens sometimes very slow	
1636	Support	In Progress	Missing/Incomplete manual entries	
1631	Design	New	Use filesystem::path instead of string (packageDir, CoCoAManFileName)	
1629	Slug	Closed	RingElem slow with many indets	6.33
1626	Design	Feedback	NewMat: should be obsolescent?	0.77
1623	Bug	Feedback	EmacsUI: annoying colours	
1621	Support	New	Doc for the various BuiltIn files	
1616	Feature	Closed	UnivariateIndetIndex: remove cocoa-5 implementation and use CoCoALib's	0.77
1604	Bug	In Progress	SqFreeFactor crashes over non-perfect field	
1603	Support	Rejected	Unhelpful behaviour in "compatibility mode": double error mesg	
1587	Feature	Closed	Multiline string literals (again)	1.49
1583	Feature	New	New fn ElapsedTimeFrom?	
1581	Slug	New	Slow sqfr: rad(f)	
1574	Bug	New	ApproxSolveTF	
1573	Bug	Closed	ApproxSolve: very imprecise	3.99
1568	Design	In Progress	RMap and image: obsolescent?	
1566	Support	Closed	What does rad do?	
1564	Feature	New	Geometrical theorem proving package	
1560	Bug	New	elim for modules	
1556	Slug	New	DivAlg slower than NR	
1552	Bug	New	subst: not checking args properly	
1551	Design	New	Emacs: avoid making buffer visible in 2 "windows"?	
1549	Feature	In Progress	Add sagbi package	2.0
1548	Support	New	Man page for UniversalGBasis	
1545	Design	New	CoeffOfTerm: in CoCoALibSupplement	
1544	Design	New	CoCoA coding conventions for parser/interpreter?	
1541	Feature	New	foreach with ref to list entry?	
1539	Bug	Closed	Website: installation instructions for Microsoft	

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1535	Feature	In Progress	New functions: argmin, argmax	
1534	Support	In Progress	Install CoCoA-5 on MacOS-10.15+	
1533	Design	In Progress	RingElem and IndetSymbols not compatible	
1519	Design	New	Interpreter fn Value::from can use std::move?	
1508	Design	In Progress	Initial ring	
1503	Feature	New	More flexible ring creation syntax (after use or ::=)	
1502	Bug	In Progress	SystemCommand in Microsoft version	
1496	Design	Rejected	Use "special" names for variables inside tests	1.11
1486	Support	In Progress	Emacs UI: indentation in a package	
1480	Support	New	Documentation for making ring with parameters	
1477	Design	Closed	Packages: questions from Andraschko	2.33
1476	Feature	New	Lin alg with polys	
1475	Bug	New	HilbertSeries: make into proper rational function	
1474	Support	New	Website: link to JSAG?	
1469	Feature	New	Get indexed indets from a polyring	
1456	Design	New	IntersectList or IntersectionList	
1454	Support	New	Filenames in release CoCoAManual/html containing [obsolete]	
1453	Design	New	Use symbolic links for release files	
1445	Support	New	Automatic way to produce statically linked CoCoAInterpreter	
1440	Support	New	Surprising parser error: INT+DOT+IDENTIFIER	
1432	Design	New	Emacs UI: cocoa5-shell-check-process vs. process-status	
1430	Support	New	HTML manual: search using keywords?	
1429	Bug	New	Stack overflow reading long list (SEGV)	
1425	Design	New	MakeTerm: implement in C++	
1418	Support	New	Manual entry for NewPolyRing	
1415	Feature	In Progress	thmproving package	5.0
1393	Support	Feedback	GUI with Qt5	
1373	Feature	In Progress	GFan also for Microsoft?	
1372	Feature	In Progress	New function: find ?	
1365	Support	New	Package Edgeldeal not documented	
1350	Support	New	CoCoA manual: entry for operators, shortcuts	
1320	Bug	New	CoCoA-5 manual: incorrect empty line in syntax box (in PDF file)	
1313	Feature	New	Automatic conversion from RINGELEM to INT	

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1293	Feature	Resolved	Vim Plugin for CoCoA	
1292	Design	New	Interpreter: fns which accept INT or RAT	
1262	Feature	In Progress	Split BuiltinFunctions-CoCoALib.C into smaller files	
1252	Support	New	ShapeLemma: no manual entry	
1245	Support	New	Online manual entry for RingElem needs to be improved	
1244	Bug	In Progress	MSatLinSolve: req minor improvements	
1241	Support	New	GDPR: website, mailing list	
1237	Bug	New	ker: for PolyAlgHom from $QQ[x,y,z]$ to $QQ(t)$	
1229	Slug	New	append is slow	
1228	Slug	In Progress	SLUG: filling an array	
1204	Feature	New	MinPoly for matrix: fix in cocoalib and export to cocoa5	
1192	Design	New	RealRoots: rational roots (but not binary rational roots)	
1171	Bug	Closed	RealRoots: first point is sometimes wrong?	6.25
1146	Design	New	Use Flatpak and/or Snap on Linux?	
1141	Slug	New	IsInRadical: for monomial ideals	
1112	Feature	Closed	New function: IsEmpty	2.0
1104	Bug	In Progress	Eigenvectors: inconsistent return type	
1079	Support	In Progress	CoCoAManual: AffHilbertFn accepts also ideal (correct?)	
1075	Design	Closed	LaTeX package: power-product printing	3.65
1072	Feature	Rejected	syz: apply to ModuleElem?	1.01
1071	Support	In Progress	LinKerBasis is user-unfriendly	
1041	Design	In Progress	Separators for elements of a list	
985	Support	New	Microsoft (Windows 10, maybe other versions): more help for installation	8.0
977	Support	In Progress	"universal denominator" (related with GroebnerFanIdeals)	
948	Slug	Closed	radical is slow (compared to singular) on these examples	16.0
946	Bug	Resolved	Function "ideal" evaluates the argument twice	6.0
929	Design	In Progress	Clean up CoCoALibSupplement	3.0
912	Feature	In Progress	Add TUTORIALs to online manual	
865	Feature	New	Implicit: make easier to use with rational functions	
823	Feature	Closed	NewPolyRing with weights -- better interface?	2.01
750	Slug	Closed	C5 GUI: very slow when printing many short lines	1.23
723	Feature	New	Referring to indets with multiple indices from a polyring	
716	Bug	In Progress	NotBuiltin.cpkg5: indent for MODULE	

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709	Slug	In Progress	Speed of some Normaliz calls (NmzComputation)	
635	Design	Closed	Automatic mapping of RingElem (in operation with a compound value)	
610	Design	Closed	Variable It: assign before or after printing	0.88
579	Feature	In Progress	Prototype package for Linear Commutative Algebra	
578	Feature	In Progress	Gaussian Elimination	6.0
557	Support	New	CoCoAManual: improve part on input/output	
476	Design	In Progress	Review utility of package IO	
474	Design	In Progress	Eliminate package BinRepr	
465	Slug	New	Emacs UI; remove cruft	
461	Feature	Rejected	New keyword " ->"? (same as "return")	
448	Support	New	EmacsUI Source/SourceRegion produce warning on Microsoft Windows 7 Ultimate	
368	Feature	In Progress	port SmithNormalForm (CoCoA-4)package to CoCoA-5	
322	Support	In Progress	Installation instructions (on website)	5.0
242	Support	In Progress	CoCoA-5 Projects for students (e.g. crediti F and tesi)	
216	Feature	In Progress	Janet Bases: port function into CoCoA-5	
181	Support	New	Functions throwing error even though (trivially) defined	
97	Feature	New	OpenOFile	
83	Design	In Progress	C++11 compatibility questions	
78	Feature	In Progress	Elim ordering and matrix ordering in CoCoA-5	6.0
31	Slug	In Progress	theValue makes copy	10.0
7	Feature	Resolved	Automatic mapping between (some) rings	