

## CoCoA - All CoCoA Closed Issues

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
<b>CoCoA-5.2.0 spring 2017 (46)</b>						
478	Use of dollar-dot (\$) in packages	05 Sep 2016 12:39	Parser/Interpreter	Design	John Abbott	0.7
918	UniversalGBasis: sometimes gives error	12 Oct 2016 15:01	Incomplete function	Bug	Anna Maria Bigatti	2.05
880	subst should check that indet is in same ring as 1st arg, but does not.	01 Mar 2017 13:34	Incomplete function	Bug	Anna Maria Bigatti	1.0
994	SEGV: Toric example from Kazuki Maeda	07 Apr 2017 09:48	enhancing/improving	Bug	Anna Maria Bigatti	6.01
878	RingElem applied to a symbol (repr as a string)	27 Apr 2017 14:34	enhancing/improving	Bug	Anna Maria Bigatti	1.8
851	Release: CoCoA-5.2.0	08 May 2017 11:57	Release	Support	Anna Maria Bigatti	14.01
405	ReducedGBasis not memorized in an ideal	28 Apr 2017 09:14	Incomplete function	Slug	Anna Maria Bigatti	2.01
757	readline: fix script for finding libreadline	28 Apr 2017 09:13	External Libs	Bug	John Abbott	4.01
1028	Readline: cursor moves wrongly when at start of line with a prompt	27 Apr 2017 11:35	enhancing/improving	Bug	John Abbott	0.99
909	ReadExpr: decimal point	27 Apr 2017 11:43	enhancing/improving	Feature	John Abbott	2.0
1051	ReadExpr(P, string) and RingElem(P, string)	28 Apr 2017 19:06	enhancing/improving	Design	Anna Maria Bigatti	3.0
734	Primary Decomposition in CoCoA-5: zero dimensional, zero characteristic	07 Apr 2017 10:13	CoCoA-5 function: new	Feature	Elisa Palezzato	40.01
845	Primary Decomposition in CoCoA-5.1.6: zero dimensional, finite characteristic	10 Apr 2017 16:47	CoCoA-5 function: new	Feature	Elisa Palezzato	20.1
243	Normaliz tests for CoCoA5	12 Oct 2016 15:01	External Libs	Feature	Christof Soeger	3.05
1047	NewPolyRing with user defined ordering is slower than CoCoALib	01 May 2017 10:43	enhancing/improving	Slug	Anna Maria Bigatti	5.31
959	New function: SymmetricPolys	01 Mar 2017 14:10	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.0
954	New function: StdBasis (standard basis)	01 Mar 2017 14:11	CoCoA-5 function: new	Feature	Anna Maria Bigatti	6.01
1017	New function: SetGBasisAsGens [-> NO: use IdealOfGBasis]	10 Apr 2017 17:43	CoCoA-5 function: new	Feature	Anna Maria Bigatti	0.51
1044	New function: SectionalMatrix, PrintSectionalMatrix	10 Apr 2017 17:55	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.01
965	New function: multigraded BettiNumbers	10 Apr 2017 17:39	CoCoA-5 function: new	Feature	Anna Maria Bigatti	4.01
1043	New function: IsCoprime	28 Apr 2017 19:21	CoCoA-5 function: new	Feature	Anna Maria Bigatti	1.0
996	New function: IdealOfGBasis	29 Apr 2017 08:34	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.01
903	New function CallOnGroebnerFanIdeals: call function on GFan ideals	26 Apr 2017 19:04	CoCoA-5 function: new	Feature	Anna Maria Bigatti	4.0
963	Manual: XML problem with html doc	26 Apr 2017 16:00	Manual/documentation	Bug	Anna Maria Bigatti	2.0
521	Manual: automatically check all examples	28 Apr 2017 14:34	Manual/documentation	Support		
995	LaTeX(x^10) should use curly brackets	01 Mar 2017 13:35	enhancing/improving	Bug	John Abbott	0.251
1018	Interpreter: limit range for "." operator	28 Apr 2017 16:20	Parser/Interpreter	Design	John Abbott	1.44
744	Handle interrupts more helpfully	02 Mar 2017 16:15	enhancing/improving	Feature	John Abbott	2.0
973	GroebnerFanIdeals: verbosity and output style	28 Apr 2017 15:14	enhancing/improving	Support	Anna Maria Bigatti	5.5

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883	gin: return/print a suitable change of variables	26 Apr 2017 17:25	enhancing/improving	Feature	Anna Maria Bigatti	2.01
870	GBasis of product of ideals is wrong (Vadim Tropashko) --> l.myReset()	26 Apr 2017 15:56	enhancing/improving	Bug	Anna Maria Bigatti	2.01
852	fix OnlineManual.C so that version number may be removed from CoCoAHelp.xml	01 Mar 2017 13:31	Release	Bug	Anna Maria Bigatti	1.0
708	ExternalLib Normaliz: verbose flag?	05 May 2017 10:36	enhancing/improving	Feature	John Abbott	3.01
711	External Libs: print credits?	28 Apr 2017 14:49	External Libs	Feature	Anna Maria Bigatti	4.4
1045	Error message from cocoalib to cocoa-5	28 Apr 2017 19:21	Parser/Interpreter	Feature	Anna Maria Bigatti	1.01
1038	Emacs: sent interrupt to CoCoA	26 Apr 2017 17:20	EmacsUI	Feature	Anna Maria Bigatti	4.01
998	Emacs UI: sending empty input from cocoa5 buffer	26 Apr 2017 17:19	EmacsUI	Design	John Abbott	3.1
748	Emacs UI: return inside a block of output sends several lines (not just the one I'm on)	28 Apr 2017 09:12	EmacsUI	Bug	John Abbott	3.01
1002	Emacs UI: cocoa5-send-line skips too many chars	27 Apr 2017 11:31	EmacsUI	Bug	John Abbott	2.6
877	Easier syntax to make a PRINCIPAL ideal?	27 Apr 2017 14:57	enhancing/improving	Feature	John Abbott	0.77
868	Der, Bin: why the capital letter?	28 Apr 2017 09:24	Renaming	Design	Anna Maria Bigatti	2.01
1040	CoCoAManual: entry for SetVerbosityLevel/VerbosityLevel	27 Apr 2017 15:20	Manual/documentation	Support	Anna Maria Bigatti	0.99
170	CoCoAManual HTML: page for "Try"	06 Mar 2017 16:44	Manual/documentation	Bug	Anna Maria Bigatti	
1046	CoCoA-5 no longer lists the external libs present	27 Apr 2017 15:38	Manual/documentation	Bug	Anna Maria Bigatti	1.01
863	CoCoA-5 manual: IsInteger and IsRational are missing?	27 Apr 2017 15:03	Manual/documentation	Support	Anna Maria Bigatti	0.77
927	Add "exit" in addition to "ciao"	01 Mar 2017 14:15	CoCoA-5 function: new	Feature	John Abbott	1.56

### CoCoALib-0.99550 spring 2017 (46)

311	XelMat, StdDegRevLexMat, ... should be MatrixView	20 Jan 2017 15:16	New Function	Design	John Abbott	5.5
983	Which ostream for verbose/obsolescent log mesgs?	28 Apr 2017 09:35	Tidying	Design	John Abbott	1.01
573	Use symbolic links for external libraries	28 Apr 2017 13:37	Portability	Feature	John Abbott	9.9
859	Twin-float: comparisons and equality test	25 Jun 2016 14:11	Tidying	Design	John Abbott	7.7
696	test-OrderedRing: activate or eliminate?	28 Apr 2017 09:33	Safety	Support	John Abbott	3.01
1008	square function	28 Apr 2017 09:31	New Function	Feature	John Abbott	1.01
822	Should ElimMat return a ConstMatrix	28 Apr 2017 15:16	Tidying	Design	Anna Maria Bigatti	5.01
1048	Several tests fail when threadsafe-hack is active	22 Apr 2017 22:43	Safety	Bug	John Abbott	0.33
790	RingDistrMPolyInFPImpl::mySummandPool frees ZERO PTR many times	28 Apr 2017 09:32	Tidying	Bug	John Abbott	1.51
592	Review design of ConstMatrixView	29 Sep 2016 16:03	Tidying	Design	John Abbott	1.5
774	Rename file PPMonoidEvZZ	02 Aug 2016 15:03	Renaming	Support	John Abbott	0.6
944	Release: CoCoALib-0.99550 (together with CoCoA-5.2.0)	08 May 2017 11:54	Tidying	Support	Anna Maria Bigatti	5.11
1016	ReducedGBasis for RingWeyl (and other non-commutative rings)	28 Apr 2017 16:05	Improving	Feature	Anna Maria Bigatti	1.01
938	ReadExpr: misreads 2/3^4	18 Nov 2016 22:23	Maths Bugs	Bug	John Abbott	2.6

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936	ReadExpr: cannot handle exponent which is not integer literal	18 Nov 2016 22:22	Improving	Bug	John Abbott	1.5
955	RandomUnimodularMat - random unimodular matrix (of integers)	18 Nov 2016 22:39	New Function	Feature	John Abbott	
814	PPOrdering: matrix ordering, what rings are allowed.	28 Apr 2017 09:33	Safety	Bug	John Abbott	2.01
895	NumDigits: sometimes gives wrong answer	28 Apr 2017 09:30	Improving	Bug	John Abbott	1.51
827	NewPositiveMat also for matrices over QQ? Also NewIntegerOrdMat. (now called MakeTermOrd)	20 Jan 2017 14:26	Tidying	Design		0.99
805	New type for "constant" matrices?	28 Apr 2017 09:30	Data Structures	Design	John Abbott	7.51
961	New function: ReducedGBasis	21 Apr 2017 17:08	New Function	Feature	Anna Maria Bigatti	6.0
951	New function: IsSqFree	18 Nov 2016 23:09	New Function	Feature	John Abbott	11.1
957	New function: HasGBasis	29 Apr 2017 08:32	New Function	Feature	Anna Maria Bigatti	2.01
902	New function: FrobeniusMat	28 Apr 2017 09:31	New Function	Feature	Elisa Palezzato	8.01
953	new file for old functions: obsolescent.C	29 Mar 2017 18:13	Renaming	Support	John Abbott	7.0
853	NearestInt can needlessly throw InsufficientPrecision	05 Oct 2016 16:33	Maths Bugs	Bug	John Abbott	7.7
856	MantissaAndExponent2 for twin-float	28 Apr 2017 09:30	New Function	Feature	John Abbott	4.01
1036	LogStream: stream for log output	22 Apr 2017 22:52	Improving	Feature	John Abbott	1.9
228	libcocoa sometimes built without its index	28 Apr 2017 16:14	Portability	Bug	John Abbott	0.25
694	In test files: when is assert.H needed?	28 Apr 2017 09:32	Tidying	Support	John Abbott	3.51
1004	In scripts: use portable test for absolute paths	28 Apr 2017 09:31	Portability	Bug	John Abbott	2.01
815	GlobalManager: Imminent disaster should be a proper error	28 Apr 2017 09:32	Tidying	Design	John Abbott	2.01
931	GBasis verbose mode	29 Apr 2017 08:36	Improving	Feature	Anna Maria Bigatti	3.0
858	floor for TwinFloat can produce ERR::SERIOUS	25 Jun 2016 12:08	Maths Bugs	Bug	John Abbott	3.9
1050	ExternalLibs: function for getting info	28 Apr 2017 23:17	New Function	Feature	John Abbott	4.44
807	DiagMat: mySetEntry checks the entry is writable only if debugging active	28 Apr 2017 09:33	Safety	Bug	John Abbott	1.01
956	determinant: fails for 0x0 matrix (SEGV)	28 Apr 2017 09:29	Maths Bugs	Bug	John Abbott	0.51
1019	CPP flags in installed library	24 Apr 2017 17:55	Portability	Design	John Abbott	7.7
889	configure script: give summary of warnings at end	28 Apr 2017 09:35	Various	Feature	John Abbott	1.01
867	Compilation Error: C++11 and old GMP-Version	28 Apr 2017 09:35	Various	Bug	John Abbott	1.01
971	CheckForInterrupt does not work in the expected way	28 Apr 2017 09:30	Improving	Bug	John Abbott	3.01
860	Check impl of RingTwinFloatImpl::myIsRational	28 Apr 2017 09:33	Safety	Bug	John Abbott	3.01
1015	Bruns SEGV: SparsePolyIter/DMPI problem	28 Apr 2017 09:30	Data Structures	Bug	John Abbott	6.01
910	BigRat: read from a string in "decimal" format?	18 Nov 2016 22:37	Improving	Feature	John Abbott	4.4
864	Assignment of rings (esp. derived rings such as PolyRing)	28 Apr 2017 09:34	Tidying	Bug	John Abbott	1.51
899	IsMaximal, IsPrimary for IDEAL (in cocoaLib)	25 Nov 2017 10:40	New Function	Feature	Anna Maria Bigatti	6.0

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1312	Wrong links on page about COCOA School in Sapporo	14 Feb 2020 10:51	Manual/documentation	Support	Anna Maria Bigatti	
1404	Which commands should "terms" be a keyword for?	04 Mar 2020 19:00	Manual/documentation	Support	John Abbott	0.75
1286	Website: trouble with the world map	14 Feb 2020 17:10	bug	Bug	Anna Maria Bigatti	1.44
1120	Web site	28 Feb 2020 17:08	Release	Design	Anna Maria Bigatti	16.0
1385	valgrind: reports 456byte leak	13 Feb 2020 16:09	Cleaning	Bug	John Abbott	0.66
997	Using protected variable names for "bound variables" (e.g. for, try...endtry)	04 Mar 2020 19:09	Parser/Interpreter	Design	John Abbott	0.99
1333	Typevectors	30 Apr 2020 15:02	Manual/documentation	Support	Anna Maria Bigatti	2.22
168	Type info in CoCoA-5 manual	10 Oct 2019 17:37	Manual/documentation	Bug	Anna Maria Bigatti	
1400	Title of manual entry: tutorial on operations on polynomials	14 Feb 2020 13:43	Manual/documentation	Support	John Abbott	0.66
1311	THINGS TO DO IN GENOVA September 2019	14 Feb 2020 10:54	Release	Support		
1231	system command	27 Sep 2019 17:25	CoCoA-4 function to be added	Feature	John Abbott	
1334	sylvester or SylvesterMat?	29 Jan 2021 11:59	Renaming	Design	John Abbott	2.77
1274	SortBy and SortedBy sometimes give wrong result	11 Oct 2019 22:02	bug	Bug	John Abbott	1.55
1247	sleep function	04 Mar 2019 18:00	CoCoA-5 function: new	Feature	John Abbott	1.99
1382	SEGV: should have been harmless	09 Jan 2020 11:21	bug	Bug	John Abbott	1.01
1421	SEGV: error("")	26 Feb 2020 16:27	bug	Bug	John Abbott	0.99
1322	SEGV when debugging is active	27 Sep 2019 17:14	bug	Bug	John Abbott	1.11
1222	Release CoCoA-5.3.0	30 Apr 2020 15:12	Release	Support	Anna Maria Bigatti	3.99
1321	RealRoots fails on -x^2	01 Oct 2019 14:11	bug	Bug	John Abbott	0.67
1230	PrimaryDecomposition with lex ordering	13 Feb 2020 10:09	Incomplete function	Bug	Anna Maria Bigatti	1.23
1401	Parolacce e basi border	13 Feb 2020 17:22	CoCoA-4 function to be added	Feature	John Abbott	
781	Option to "fold" long lines?	04 Mar 2020 15:41	EmacsUI	Feature	John Abbott	0.66
1220	NewRingFp obsolescent; superseded by NewZZmod	01 Oct 2019 14:41	Cleaning	Support	John Abbott	1.0
1290	NewPolyRing: allow symbols with just head and no indices?	15 Feb 2020 10:28	enhancing/improving	Feature	John Abbott	0.99
1383	NewPolyRing on MS Windows	13 Feb 2020 09:30	bug	Bug	John Abbott	0.99
1273	NewPolyRing and SymbolRange together make a crash	13 Feb 2020 09:26	bug	Bug	John Abbott	1.99
1384	NewPolyRing and SymbolRange	13 Feb 2020 09:29	enhancing/improving	Bug	Anna Maria Bigatti	
1243	New function: Read a string into a list (of RingElem) -- CoCoA-5	28 Feb 2020 17:52	CoCoA-5 function: new	Feature	Anna Maria Bigatti	5.0
1439	New function: LinearForm	20 Mar 2020 12:55	CoCoA-5 function: new	Feature	Anna Maria Bigatti	5.2
1316	Matrix row reduction (rref)	19 Feb 2020 11:31	CoCoA-5 function: new	Feature	John Abbott	2.88
1258	Manual page for CantStop	09 Mar 2020 13:18	Manual/documentation	Support	Anna Maria Bigatti	
1303	Manual looking for "?"	05 Mar 2020 12:03	Manual/documentation	Bug	John Abbott	0.75

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1315	Manual entry about reporting bugs?	14 Feb 2020 10:49	Manual/documentation	Support	John Abbott	1.01
1335	ManExamples: some problems	24 Feb 2020 16:56	Manual/documentation	Bug	John Abbott	3.33
991	make htmldoc always recreates everything (even if no change was made)	04 Mar 2020 16:15	Manual/documentation	Slug	John Abbott	3.33
1307	Linking problem	05 Sep 2019 16:17	Portability	Bug		
1224	Lexer: unclosed multi-line comment	04 Mar 2020 14:41	Cleaning	Bug	John Abbott	0.75
1288	len for RINGELEM ?!?	13 Feb 2020 16:07	bug	Bug	John Abbott	1.01
1387	John's visit Feb 2020	21 Feb 2020 14:50	Release	Support	John Abbott	0.5
1240	John's visit Feb 2019	01 Oct 2019 14:25	enhancing/improving	Support	John Abbott	0.44
1386	IsIndetPosPower: behaviour and manual page	25 Feb 2020 11:16	Manual/documentation	Support	John Abbott	0.99
1410	IsDivisible also for INT	13 Feb 2020 15:40	enhancing/improving	Feature	Anna Maria Bigatti	2.01
1327	Inconvenient PolyRingHom, PolyAlgebraHom	13 Feb 2020 09:35	enhancing/improving	Design	Anna Maria Bigatti	
1368	Improve manual for mod	13 Feb 2020 15:44	Manual/documentation	Support	John Abbott	0.77
890	ImportByRef and ImportByValue behave in an unexpected manner (i.e. fail when I think they should succeed)	26 Feb 2020 16:50	Manual/documentation	Support	John Abbott	1.5
1420	IdealOfProjectivePoints and MinGens: problem with CoCoA_ASSERT	26 Feb 2020 16:59	bug	Bug	Anna Maria Bigatti	1.5
519	GUI: fix DEFINES in makefile	14 Feb 2020 09:22	GUI	Bug	Anna Maria Bigatti	1.5
240	GUI compilation: GMP is not naturally thread-safe	11 Mar 2020 21:34	GUI	Support	John Abbott	3.33
755	Find out how to compile statically on linux	20 Mar 2020 12:18	Release	Bug	John Abbott	11.66
1226	ExternalLibs return empty list	02 Oct 2019 16:22	External Libs	Bug	Anna Maria Bigatti	
673	Error message: I was expecting...	13 Feb 2020 16:39	enhancing/improving	Feature	John Abbott	1.88
672	Emacs UI: strange string literal causes crash	04 Mar 2020 15:31	EmacsUI	Bug	John Abbott	4.8
1364	Emacs UI: start cocoa5 with system command enabled	13 Feb 2020 16:37	EmacsUI	Feature	John Abbott	1.66
1358	Emacs UI: should active input line be cleared before sending line from CoCoA-5 file?	13 Feb 2020 14:03	EmacsUI	Feature	John Abbott	1.88
1325	Emacs UI: emacs does not recognize "until" as marking the end of a "repeat" block	26 Oct 2019 09:53	EmacsUI	Bug	John Abbott	1.51
945	Emacs UI: comint buffer silently truncates(?) long lines when sending	04 Mar 2020 19:01	EmacsUI	Bug	John Abbott	0.7
1027	CoCoAManual: add a page with some emacs hints?	09 Mar 2020 15:36	Manual/documentation	Support	Anna Maria Bigatti	2.34
1408	CoCoAManual - tex: error if syntax is missing	13 Feb 2020 18:59	Manual/documentation	Bug	Anna Maria Bigatti	2.01
1442	CoCoAInterpreter: executable size	12 Mar 2020 22:17	Cleaning	Bug	John Abbott	1.23
458	CoCoA5 GUI; failed build "wrong architecture"	02 Mar 2020 15:40	GUI	Bug	John Abbott	0.95
1352	cocoa5 (launch) script: sleep time	13 Feb 2020 15:40	enhancing/improving	Design	John Abbott	1.66
1367	CoCoA-5.3.0: release linked with more recent version of normaliz	30 Apr 2020 15:43	Release	Feature	Anna Maria Bigatti	3.01
1217	CoCoA-5 tests directory: cleaning	01 Oct 2019 14:19	Cleaning	Support		
1390	CoCoA-5 test: radical too slow	04 Mar 2020 16:22	enhancing/improving	Slug	John Abbott	2.11

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1399	CoCoA-5 interpreter: idle/busy indicator	06 Mar 2020 12:24	enhancing/improving	Feature	John Abbott	7.3
990	CoCoA-5 distribution: tidying	30 Apr 2020 15:10	Release	Design	John Abbott	5.01
1024	CoCoA Manual: consistent spacing in VarName: TYPE	10 Oct 2019 18:24	Manual/documentation	Support	Anna Maria Bigatti	
1344	Clean out OBSOLESCE	14 Feb 2020 09:08	Cleaning	Support	Anna Maria Bigatti	
1318	Clean CoCoA-5/tests directory	26 Feb 2020 16:31	Cleaning	Support	Anna Maria Bigatti	1.49
1012	Chebyshev polynomials	03 Apr 2019 17:08	enhancing/improving	Feature	John Abbott	0.44
1284	CartesianProductList: too slow	22 Oct 2019 11:10	enhancing/improving	Slug	John Abbott	1.99
1239	CartesianProductList: case of just 1 entry in list	04 Mar 2019 12:30	bug	Bug	Anna Maria Bigatti	0.99
1289	assert-function for cocoa5	26 Feb 2020 16:32	CoCoA-5 function: new	Feature	John Abbott	1.23
1261	ASCII function	10 Oct 2019 19:30	bug	Bug	John Abbott	0.55
1374	Add function power to CoCoA-5	13 Feb 2020 16:30	CoCoA-5 function: new	Feature	Anna Maria Bigatti	1.33
1236	Add "socket" devices	19 Feb 2020 11:43	CoCoA-4 function to be added	Feature	John Abbott	9.9
1438	ABORT for unterminated string literal	09 Mar 2020 15:28	bug	Bug	John Abbott	1.66
1424	'UNCAUGHT UNKNOWN EXCEPTION' when aborting 'isin' computation	26 Feb 2020 16:24	bug	Bug	John Abbott	2.9

### None (10)

247	Use gmp default location if possible	08 Oct 2012 16:23		Feature	Christof Soeger	8.0
118	unistd and call to access in Main.C	20 Mar 2014 17:22	Portability	Bug	John Abbott	8.0
1341	Test: redmine problem	16 Oct 2019 15:02		Bug	John Abbott	
213	test-Normaliz1.C	01 Oct 2012 15:43	Various	Feature	Christof Soeger	
402	Problem with 64-bit BOOST on Linux (Werner)	23 Oct 2013 21:44	Portability	Bug	John Abbott	
425	Osnabrueck 2014-01	10 Jul 2014 13:35	Administration	Support		
141	Memory leak using Elim in C5	13 Jul 2012 15:51	Portability	Bug		4.0
75	Documentation review by Caleo	30 Nov 2012 16:26	Documentation	Support		75.0
327	C++ integer shift operators	04 Mar 2013 11:27	Portability	Bug	John Abbott	
197	./C5.bin: fork: Resource temporarily unavailable	05 Mar 2014 12:21	GUI	Bug		

### CoCoA-5.0.2 (17)

108	Unhandled division by zero in FFp	20 Mar 2012 16:21	Parser/Interpreter	Bug	Anna Maria Bigatti	2.0
79	Sort entries in CoCoAHelp.xml and write code on OnlineHelp.C to check sorting	23 Jan 2012 14:11	Manual/documentation	Bug	Anna Maria Bigatti	0.5
109	SmoothFactor should allow large first arg	19 Mar 2012 18:01	Parser/Interpreter	Bug	Anna Maria Bigatti	0.5
115	PP ordering bug	28 Mar 2012 14:29	Parser/Interpreter	Bug	Anna Maria Bigatti	1.0
77	Porting package "primary.cpkg" to cocoa-5	19 Jan 2012 11:38	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	12.0

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53	MSVC10 compilation	01 Jun 2012 18:35	Portability	Bug		
56	MSVC10 - unistd.h	03 Apr 2012 18:53	Portability	Bug	John Abbott	
55	MSVC10 - static member fields	03 Apr 2012 18:58	Portability	Bug	John Abbott	
60	MSVC10 - shared_ptr	26 Jan 2012 14:59	Portability	Bug		1.0
58	MSVC10 - more things and overhead	13 Jul 2012 15:52	Portability	Bug		
57	MSVC10 - BOOST_SCOPE_EXIT	13 Jul 2012 15:51	Portability	Bug		
54	MSVC10 - #include <iterator>	03 Apr 2012 19:00	Portability	Bug		4.0
33	Modify the packages so that -w3 produces no warnings during start-up	23 Jan 2012 14:13	Parser/Interpreter	Bug	Anna Maria Bigatti	4.3
88	Makefile problem with GUI on linux	02 Apr 2012 16:26	GUI	Bug		1.0
27	CoCoA-5 Manual	01 Jun 2012 17:59	Manual/documentation	Bug	Anna Maria Bigatti	150.0
12	Add "syntax" to online manual	09 Nov 2011 11:32	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	3.5
80	"<=" for ideals	23 Jan 2012 14:31	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	1.0

### CoCoA-5.0.3 (41)

128	wordlist.txt generation	07 Jun 2012 18:31	EmacsUI	Feature	Anna Maria Bigatti	3.0
194	Unhandled CoCoALib error: mixed rings with IsIn operator (for ideal membership)	04 Jul 2012 09:56	Parser/Interpreter	Bug	John Abbott	
220	Trouble on Linux: many CoCoA-5 tests fail (0.9952)	21 May 2013 18:31	Portability	Bug	John Abbott	3.0
271	test lecture-HF4	24 Oct 2012 14:51	Cleaning	Bug	Anna Maria Bigatti	
110	Surprise return type for GCD of a list of ints	09 Nov 2015 15:32	CoCoA-4 function to be added	Bug	John Abbott	15.0
8	source region	21 May 2013 17:12	CoCoA-5 function: new	Feature	John Abbott	
191	Slow lex gbasis	21 May 2013 18:33	Portability	Slug	John Abbott	
201	segmentation fault with function defined in package ("PrintHGIndices"): First and Last	04 Jul 2012 09:45	Parser/Interpreter	Bug	Anna Maria Bigatti	1.5
292	Rename IndetsCalled to indets	21 May 2013 18:38	Renaming	Design	John Abbott	
162	RegularityIndex <= 0	08 Jun 2012 17:20	Incomplete function	Bug	Anna Maria Bigatti	2.5
163	RealRootsApprox bombs	13 Jul 2012 15:27	Incomplete function	Bug	John Abbott	
98	RealRoots should use IsRational	04 Jul 2012 09:56	Incomplete function	Bug	John Abbott	4.0
102	Packages: should exported functions be automatically "Protect"ed?	18 Feb 2013 18:30	Parser/Interpreter	Bug	John Abbott	
212	NBM: add to CoCoA-5	24 Feb 2014 18:07	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	
159	Multiplicity sometimes wrong	08 Jun 2012 17:29	Incomplete function	Bug	Anna Maria Bigatti	3.5
158	May AsRAT produce an INT?	08 Jun 2012 17:26	CoCoA-5 function: new	Bug	John Abbott	2.75
184	MAT/INT ? MAT/RINGELEM ?	04 Jul 2012 09:58	CoCoA-5 function: new	Feature	John Abbott	
336	Mat(Module) should give error	06 Jul 2015 07:43	CoCoA-4 function: obsolete	Feature	Anna Maria Bigatti	1.0
333	manual entry for "indent"	21 May 2013 17:24	Manual/documentation	Support	Anna Maria Bigatti	1.0

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189	malloc ERROR	04 Jul 2012 10:01	Parser/Interpreter	Bug	John Abbott	
217	Makedependencies of CoCoA-5 fails if BOOST is absent	21 May 2013 18:32	Portability	Bug	John Abbott	4.0
186	LCM(0,x)	04 Jul 2012 09:57	Incomplete function	Bug	John Abbott	2.0
137	JAA does not like the name IndetInd	08 Jun 2012 17:30	Parser/Interpreter	Bug	Anna Maria Bigatti	3.25
343	Interpreter SEGV	24 May 2013 14:41	Parser/Interpreter	Bug	John Abbott	
192	indent prints strings without quotes	14 Nov 2012 11:30	Incomplete function	Bug	Anna Maria Bigatti	2.0
19	How to get the version number of CoCoA-5?	14 Nov 2012 11:34	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	
52	GUI: problem with "--" comment	04 Jul 2012 10:01	GUI	Bug	John Abbott	5.0
280	EmacsUI: indentation is wrong with parentheses	21 May 2013 17:34	EmacsUI	Bug	John Abbott	
166	Dim/Multiplicity with Lex ordering -- NYI	21 May 2013 18:07	Incomplete function	Bug	Anna Maria Bigatti	
267	Cyclotomic(106743) fails	21 May 2013 18:03	Incomplete function	Bug	John Abbott	
131	Conversion from bool to INT	04 Jul 2012 09:59	CoCoA-5 function: new	Feature	John Abbott	
348	CoCoA website: CoCoA-5.0.3 pages	01 Apr 2014 18:29	Release	Support	Anna Maria Bigatti	
347	C5 cannot compute derivative of a ratfn	19 Feb 2014 21:34	CoCoA-5 function: new	Feature	John Abbott	
249	BuiltIn Normaliz functions not available in CoCoA5Interpreter	21 May 2013 18:09	Portability	Bug	Anna Maria Bigatti	
207	BuiltIn Normaliz functions not available in C5 gui	01 Aug 2012 15:09	GUI	Bug	Anna Maria Bigatti	
344	basic_string::erase error in interpreter	24 May 2013 18:55	Parser/Interpreter	Bug	John Abbott	
185	Banner for CoCoA-5	04 Jul 2012 10:03	Parser/Interpreter	Feature	Anna Maria Bigatti	
103	Bad error mesg using operator ":"	04 Jul 2012 09:57	Parser/Interpreter	Bug	John Abbott	2.0
172	add customization for --fullCoCoALibError in EmacsUI	01 Jun 2012 17:36	EmacsUI	Feature	Anna Maria Bigatti	1.0
293	Add CpuTime to C5 manual	11 Feb 2013 12:03	Manual/documentation	Support	Anna Maria Bigatti	
309	(Multi)BlockMatrix	31 May 2013 14:41	CoCoA-5 function: new	Feature	Anna Maria Bigatti	
<b>CoCoA-5.0.3 (2)</b>						
214	gmp header location assumption in configure script	04 Oct 2012 13:00	Portability	Feature	John Abbott	
266	Compilation on M\$Windows: cygwin	15 Sep 2014 18:03	Portability	Support	Anna Maria Bigatti	
<b>CoCoA-5.0.9 (30)</b>						
418	What does interreduce do?	02 Apr 2014 18:30	Incomplete function	Bug	Anna Maria Bigatti	2.0
328	Swap	25 Mar 2014 15:11	CoCoA-5 function: new	Feature	John Abbott	
371	Resurrect LinearSimplify	07 Mar 2014 15:25	CoCoA-4 function to be added	Feature	John Abbott	
394	problem with ContentFreeFactor (and missing manual entry)	03 Apr 2014 20:10	Manual/documentation	Bug	John Abbott	0.5
237	port homog/homogenized for ideal to cocoa-5	01 Aug 2013 07:23	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	



#	Subject	Updated	Category	Tracker	Assignee	Estimated time
370	OnlineHelp: Problem with "><" in syntax of CartesianProduct	21 Mar 2014 11:30	Manual/documentation	Support	Anna Maria Bigatti	
444	Not keyword/operator	02 Apr 2014 18:35	Cleaning	Bug	John Abbott	3.5
90	Make the new fn CoefficientsWRT available in C5	28 Nov 2012 11:31	CoCoA-5 function: new	Feature	Anna Maria Bigatti	7.6
443	lambda keyword	02 Apr 2014 18:35	Renaming	Bug	John Abbott	5.5
331	Is it possible to have R^3 for NewFreeModule(R,3)?	15 Mar 2013 17:01	CoCoA-5 function: new	Feature	Anna Maria Bigatti	
446	intersection fails with zero ideal	02 Apr 2014 18:35	Incomplete function	Bug	Anna Maria Bigatti	3.0
364	Incr command/function	03 Apr 2014 20:20	Parser/Interpreter	Design	John Abbott	1.0
318	implement "indent" for modules	01 Aug 2013 07:29	Incomplete function	Feature	Anna Maria Bigatti	
226	HilbertBasis segv	02 Apr 2014 18:30	Incomplete function	Bug	Anna Maria Bigatti	6.0
93	Hilbert series: global output rings for non-standard gradings	23 Jul 2013 18:13	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	5.0
306	Function for accessing the pointed value	21 Mar 2014 11:31	Parser/Interpreter	Feature	Anna Maria Bigatti	
445	EmacsUI: indentation is wrong sometimes (e.g. if Lambda1 is on previous line)	02 Apr 2014 18:35	EmacsUI	Bug	John Abbott	1.5
423	Emacs UI: semicolon does not work in emacs-24.3	02 Apr 2014 18:34	EmacsUI	Bug	Anna Maria Bigatti	1.0
449	Emacs UI: names of emacs fns	02 Apr 2014 18:36	Renaming	Design	Anna Maria Bigatti	0.5
32	Elim(t, l)	02 Apr 2014 17:18	CoCoA-4 function to be added	Bug	Anna Maria Bigatti	1.0
325	CoCoAManual: display syntax first	31 Jul 2014 17:36	Manual/documentation	Support	Anna Maria Bigatti	4.0
450	CoCoA-5.0.9 release (admin, overheads, etc)	11 Apr 2014 14:59	Release	Support	John Abbott	6.0
503	CoCoA website: CoCoA-5.0.9 pages	11 Apr 2014 14:55	Release	Support	Anna Maria Bigatti	1.0
193	BuiltinFunctions.C getting too long (2000 lines)	01 Aug 2013 08:10	Parser/Interpreter	Feature	Anna Maria Bigatti	
393	add Value::from(HPSeries)	01 Aug 2013 07:35	Parser/Interpreter	Feature	Anna Maria Bigatti	
392	add Value::from(factorization<..>)	01 Aug 2013 07:32	Parser/Interpreter	Feature	Anna Maria Bigatti	
372	add IsFactorClosed	21 Mar 2014 11:35	CoCoA-5 function: new	Feature	John Abbott	
105	Add I*f and f*I (RINGELEM and IDEAL)	01 Apr 2014 18:46	Parser/Interpreter	Feature	John Abbott	3.0
365	add function to compute minimal generators (like Minimalize)	15 May 2015 11:19	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	4.2505
380	Add Froby functions to cocoa-5	24 Feb 2014 18:15	CoCoA-5 function: new	Feature	Anna Maria Bigatti	
<b>CoCoA-5.1.0 Easter14 (49)</b>						
369	write documentation for TgCone and other function from the "primary" package	07 May 2014 14:07	Manual/documentation	Support	Anna Maria Bigatti	2.0
179	TeX documentation for CoCoA-5	14 May 2014 16:56	Manual/documentation	Support	Anna Maria Bigatti	5.0
509	SyzOfGens (CoCoA-5) does not have correct shifts	10 Apr 2014 18:02	Incomplete function	Bug	Anna Maria Bigatti	2.0
514	submodule: minimalize, minimalized	09 May 2014 13:28	Incomplete function	Feature	Anna Maria Bigatti	2.5
544	sorted gives wrong answer sometimes	07 May 2014 13:39	Incomplete function	Bug	John Abbott	4.0
398	Resurrect Relnotes()	02 Jul 2014 11:43	Release	Support	Anna Maria Bigatti	4.0

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
341	Remove/replace the word "vector" in the manual	11 Apr 2014 15:06	Manual/documentation	Support	Anna Maria Bigatti	0.5
534	Remove float.cpkg5	24 Apr 2014 19:09	Cleaning	Design	John Abbott	5.0
559	Release: CoCoA-5.1.0	14 Jul 2014 18:17	Release	Support	Anna Maria Bigatti	4.0
472	Record keyword	14 Apr 2014 09:16	Cleaning	Design	John Abbott	1.0
18	Printing matrices: I/O unified style for CoCoA-5?	07 May 2014 14:10	Cleaning	Feature	John Abbott	7.5
239	Normaliz functions not available in C5 GUI (again!)	14 Apr 2014 09:15	GUI	Bug	John Abbott	8.0
532	New package: OBSOLESCE	02 Jul 2014 16:54	CoCoA-4 function: obsolete	Design	John Abbott	
362	New function: IsZeroDivisor	14 Apr 2014 09:14	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.0
502	New fn/object type: timer	02 May 2014 16:49	CoCoA-5 function: new	Feature	Anna Maria Bigatti	3.0
414	New fn to increase max recursion depth	02 May 2014 17:05	CoCoA-5 function: new	Feature	John Abbott	8.0
471	Nested multiline comments	02 May 2014 17:49	Parser/Interpreter	Bug	John Abbott	5.0
395	Naming conventions: upper or lower case?	14 Apr 2014 09:00	Renaming	Support	Anna Maria Bigatti	3.0
529	Naive version of resolution and Betti numbers	09 May 2014 12:56	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	5.0
473	Multiline string literals - useful or obsolescent?	07 May 2014 17:32	Parser/Interpreter	Design	John Abbott	5.0
481	Multiline comments -- obsolescent?	02 May 2014 17:47	Parser/Interpreter	Design	John Abbott	4.0
463	Make man page for "It" easier to read	24 Apr 2014 20:26	Manual/documentation	Support	John Abbott	3.0
384	IsZero for matrix	07 May 2014 14:01	Incomplete function	Feature	Anna Maria Bigatti	2.5
367	implement LF/DF for an ideal	09 May 2014 12:51	Incomplete function	Feature	Anna Maria Bigatti	3.5
301	How to obtain an integer from a finite field element? AsINT?	24 Apr 2014 20:16	CoCoA-5 function: new	Design	John Abbott	2.0
225	HilbertBasis: cocoa vs normaliz	20 May 2014 17:54	Manual/documentation	Support	Anna Maria Bigatti	1.5
419	FloatStr	24 Apr 2014 19:53	Incomplete function	Feature	John Abbott	2.0
523	EmacsUI: lower case keywords	07 May 2014 14:05	EmacsUI	Feature	Anna Maria Bigatti	3.0
381	Emacs User Interface: Easier binding for sending a line to cocoa-5	07 May 2014 13:57	EmacsUI	Feature	Anna Maria Bigatti	8.0
460	Emacs UI: updating abbrev-table	14 May 2014 16:30	EmacsUI	Bug	Anna Maria Bigatti	
462	Emacs UI: semicolon problems	02 May 2014 17:18	EmacsUI	Bug	John Abbott	1.0
494	Emacs UI: installation on Mac OS 10.8.5	09 May 2014 13:20	EmacsUI	Support	Anna Maria Bigatti	
470	Emacs UI: cocoa5-close-block should beep when there is no block to close	15 Apr 2014 15:21	EmacsUI	Bug	John Abbott	3.0
441	Emacs UI: C-c C-e does not ignore keywords inside strings	02 May 2014 17:21	EmacsUI	Bug	John Abbott	5.0
475	Eliminate package approx	07 May 2014 17:32	Cleaning	Design	John Abbott	5.0
208	describe \$package	06 May 2014 18:14	Parser/Interpreter	Support	Anna Maria Bigatti	2.0
94	Default reason for protected variables	24 Apr 2014 13:16	Parser/Interpreter	Bug	John Abbott	3.0
558	CoCoAManual: semi-automatic check of all input	01 Aug 2014 10:57	Manual/documentation	Support	Anna Maria Bigatti	8.0

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
555	CoCoAManual: improve part on language	02 Jul 2014 16:40	Manual/documentation	Support	Anna Maria Bigatti	20.0
542	CoCoAManual: improve part on data-types	02 Jul 2014 16:40	Manual/documentation	Support	Anna Maria Bigatti	20.0
334	CoCoAManual: entry for "and", "or", "not" operators	02 Jul 2014 16:47	Manual/documentation	Support	Anna Maria Bigatti	2.0
188	CoCoAManual: entries for operators	02 Jul 2014 16:46	Manual/documentation	Feature	Anna Maria Bigatti	5.0
489	CoCoAManual: Doc for strings	02 Jul 2014 16:52	Manual/documentation	Support	John Abbott	4.0
176	CoCoAManual: Doc for new commands	02 Jul 2014 16:48	Manual/documentation	Support	Anna Maria Bigatti	3.0
495	CoCoAManual: add page about creating lists	02 Jul 2014 16:51	Manual/documentation	Support	John Abbott	1.5
447	CoCoA-5.0.3 Microsoft std::bad_alloc	22 May 2014 17:20	Portability	Bug	Anna Maria Bigatti	2.0
238	Cleaner CVS?	10 Jul 2014 13:33	Administration	Bug	John Abbott	
284	BuiltInFunctions: more flexible typing in one-line function declaration	08 Apr 2014 08:25	Parser/Interpreter	Feature		0.25
200	add modules and module operations	15 May 2015 09:02	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	27.0
<b>CoCoA-5.1.1 Seoul14 (55)</b>						
307	Value::from makes BigIntValue::fromInt obsolete?	05 Sep 2014 11:43	Parser/Interpreter	Design	Anna Maria Bigatti	1.0
541	Unify releases for Linux 32 and Linux 64	11 Sep 2014 17:40	Portability	Support	John Abbott	
378	Ungraceful behaviour: Source inside For loop	27 Aug 2014 18:06	Parser/Interpreter	Bug	Anna Maria Bigatti	2.0
182	Unescaped double quote inside superstring	26 Jun 2014 15:11	Parser/Interpreter	Bug	John Abbott	7.5
330	Syzygy for modules: homogeneous module	28 Jul 2014 16:35	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	2.0
382	Subtle bug with CoeffEmbeddingHom	28 Jul 2014 21:50	Incomplete function	Bug	John Abbott	1.1
615	Resume MayerVitorisTreeN1	05 Sep 2014 11:28	CoCoA-4 function to be added	Feature	Winfried Bruns	
588	Resume code for "gin" (generic initial ideal)	15 Sep 2014 18:28	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	2.0
603	Resume CheckArgTypes	05 Sep 2014 11:28	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	1.0
595	rename BigIntValue, IdealValue --> INTValue, IDEALValue? or even INT, IDEAL?	04 Sep 2014 13:33	Parser/Interpreter	Design	Anna Maria Bigatti	10.0
563	Remove ZMOD type from CoCoAInterpreter	01 Sep 2014 18:30	Parser/Interpreter	Design	John Abbott	2.0
605	Release: CoCoA-5.1.1	15 Sep 2014 18:06	Release	Support	Anna Maria Bigatti	8.0
553	Port function MantissaAndExponent2	03 Sep 2014 12:36	CoCoA-5 function: new	Feature	John Abbott	4.0
273	Package for Polynomial Algebra Homomorphisms	29 Jul 2014 09:31	CoCoA-5 function: new	Feature	Giulia Bianco	50.0
609	Package "empty.cpkg5"	03 Sep 2014 13:39	Manual/documentation	Support	Anna Maria Bigatti	0.9
566	Online help: problem with "<>"	16 Jul 2014 12:32	Manual/documentation	Bug	John Abbott	2.0
204	NmzComputation: the powerful NormalizComputation function in CoCoA-5	11 Sep 2014 17:39	CoCoA-5 function: new	Feature	Christof Soeger	
403	Misuse of dot-dot operator	29 Jul 2014 16:26	Parser/Interpreter	Design	John Abbott	2.2
104	Misprints suggestions: Z --> ZZ	11 Sep 2014 17:38	Parser/Interpreter	Bug	John Abbott	3.0
245	Meaningful error for functions defined in "missing" external library	11 Sep 2014 17:40	Portability	Feature	Anna Maria Bigatti	

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
338	MacOS version with static gcc libraries	04 Sep 2014 12:39	Portability	Support	Anna Maria Bigatti	8.0
543	Interpreter: problem when calling the manual with trailing spaces and comments	27 Aug 2014 18:19	Manual/documentation	Bug	Anna Maria Bigatti	2.5
321	interpreter proposes no near misses for "bin"	04 Sep 2014 12:54	Parser/Interpreter	Bug	John Abbott	4.1
518	incr/decr functions: to be used in packages	15 Sep 2014 18:27	Cleaning	Feature	Anna Maria Bigatti	1.5
546	ideal wants LIST of RINGELEM	02 Sep 2014 11:08	Cleaning	Design	Anna Maria Bigatti	0.9
286	How to test (automatically) a user defined CoCoA function	04 Sep 2014 13:46	Manual/documentation	Support	Anna Maria Bigatti	
20	How to get the compilation flags of CoCoA-5?	28 Jul 2014 17:44	CoCoA-5 function: new	Feature	Anna Maria Bigatti	
596	function "packages"	24 Jul 2014 09:56	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	1.5
99	Function "insert": obsolescent	27 Aug 2014 18:17	CoCoA-4 function: obsolete	Slug	Anna Maria Bigatti	2.0
25	Function "Call"	05 Sep 2014 11:31	CoCoA-4 function: obsolete	Feature	Anna Maria Bigatti	2.5
484	Evaluate in other ring (was called :: in CoCoA-4)	11 Sep 2014 17:43	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	1.51
561	Emacs UI: unrecognized keywords (ImportByValue...)	02 Sep 2014 11:21	EmacsUI	Feature	Anna Maria Bigatti	2.0
433	EMACS UI: trouble with sending a long line	02 Sep 2014 11:10	EmacsUI	Bug	John Abbott	4.4
464	Emacs UI: split horizontally instead of vertically?	03 Sep 2014 13:40	EmacsUI	Feature	Anna Maria Bigatti	10.0
397	EMACS UI: fix windows splitting	02 Jul 2014 16:03	EmacsUI	Bug	Anna Maria Bigatti	
567	Emacs UI: coloured syntax in output buffer has problems if error message shows a single double-quote	02 Jul 2014 16:11	EmacsUI	Design	Anna Maria Bigatti	1.0
608	Emacs UI: C-return for send-line and send-region	03 Sep 2014 13:43	EmacsUI	Feature	John Abbott	
607	Emacs UI; remove send-buffer?	02 Sep 2014 11:02	EmacsUI	Design	John Abbott	0.5
270	Distribution for linux	11 Sep 2014 17:42	Release	Feature	Anna Maria Bigatti	
576	Disallow juxtaposition for string literals?	26 Jun 2014 15:33	Parser/Interpreter	Design	John Abbott	
324	Correct font for variable references in description	31 Jul 2014 15:15	Manual/documentation	Support		
34	CoCoAManual: obsolete entries in the manual	02 Sep 2014 11:30	Manual/documentation	Bug	Anna Maria Bigatti	15.0
456	CoCoAManual: New structure for manual?	05 Sep 2014 11:38	Manual/documentation	Support	Anna Maria Bigatti	3.0
556	CoCoAManual: improve part on tagging	04 Sep 2014 18:31	Manual/documentation	Support	Anna Maria Bigatti	3.0
488	CoCoAManual: Help page for porting old C4 code to C5	04 Sep 2014 12:29	Manual/documentation	Support	Anna Maria Bigatti	
493	Cleanup Hilbert package hp.cpkg5	31 Jul 2014 15:06	Cleaning	Design	Anna Maria Bigatti	2.0
594	CharPoly(MAT) and MinPoly(MAT) work in different settings: unify behaviaour	02 Sep 2014 11:03	Incomplete function	Bug	Anna Maria Bigatti	2.5
552	C5 BuiltinFunctions.c fn RingElem	04 Sep 2014 12:18	Incomplete function	Bug	John Abbott	1.0
524	BuiltInFunctions: remove calls to WrongTypeException	28 Jul 2014 11:48	Parser/Interpreter	Bug	Anna Maria Bigatti	3.0
294	BuiltInFunctions: General "OneLiner" for arguments of different type	05 Sep 2014 11:51	Parser/Interpreter	Design	Anna Maria Bigatti	2.0
525	BuiltInFunctions: evalArgAsT1OrT2, evalArgAsT1OrT2OrT3, ... last argument	27 Aug 2014 18:09	Cleaning	Design	Anna Maria Bigatti	2.5
279	Bug in Radical (actually a RingHom problem)	03 Sep 2014 18:47	Incomplete function	Bug	Anna Maria Bigatti	20.0

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
132	BringIn should allow reduction modulo p	04 Sep 2014 12:05	CoCoA-4 function to be added	Bug	Anna Maria Bigatti	2.0
549	Automatic conversion from RINGELEM to INT or RAT	03 Sep 2014 16:00	Incomplete function	Design	John Abbott	5.0
173	Anonymous symbols: should they be available in CoCoA-5?	02 Sep 2014 11:20	CoCoA-5 function: new	Feature	Anna Maria Bigatti	6.0
<b>CoCoA-5.1.2 summer 2015 (29)</b>						
726	TopLevel cannot "import" a package variable	27 Jul 2015 15:06	enhancing/improving	Bug	John Abbott	7.0
634	Symbol in the coeff ring	22 Oct 2014 20:02	enhancing/improving	Design	John Abbott	
352	Should SourceRegion echo the "region"?	30 Jul 2015 14:19	Parser/Interpreter	Feature	Anna Maria Bigatti	4.44
359	RingOf for list	30 Jun 2015 15:10	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	2.0
704	rename MinGensGeneral?	29 Jul 2015 16:15	Renaming	Feature	Anna Maria Bigatti	1.0
654	Rename adjoint to adjudate???	28 Jun 2015 21:00	Renaming	Support	John Abbott	1.9
668	Remove keyword "weights"?	27 Jul 2015 15:16	Parser/Interpreter	Design	Anna Maria Bigatti	4.01
616	Release: CoCoA-5.1.2	16 Feb 2016 17:31	Release	Support	Anna Maria Bigatti	15.0
719	Readline: consider creating a textual interpreter with readline	28 Jul 2015 15:56	enhancing/improving	Feature	John Abbott	5.0
745	Readline: avoid printing out READLINE twice	29 Jul 2015 15:18	External Libs	Bug	John Abbott	
548	Printing rings with ID	29 Jul 2015 12:43	Incomplete function	Support	Anna Maria Bigatti	7.501
732	Primary Decomposition in CoCoA-5: port Luis Garcia's package(cocoa-4)	30 Jun 2015 15:20	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	5.0
733	Primary Decomposition in CoCoA-5.1.2: zero dimensional, finite characteristic	06 Aug 2015 10:59	CoCoA-5 function: new	Feature	Elisa Palezzato	15.0
590	package for subalgebras	26 Jun 2015 16:58	CoCoA-4 function to be added	Feature	Anna Maria Bigatti	2.01
622	New function: RandomSubset	30 Jun 2015 14:19	CoCoA-5 function: new	Feature	Anna Maria Bigatti	6.01
706	meaningful error for IDEAL <= IDEAL	28 Jul 2015 14:32	Parser/Interpreter	Support	Anna Maria Bigatti	1.0
522	Manual: duplication in "see also" and "All other matches"	29 Jul 2015 16:21	Manual/documentation	Support	Anna Maria Bigatti	2.0
485	Initialization for CoCoA-5: file init.cocoa5	30 Jun 2015 11:34	CoCoA-4 function to be added	Feature	John Abbott	5.0
251	How to add a test for CoCoA-5 (CoCoAInterpreter)	29 Jul 2015 12:12	Manual/documentation	Support	Anna Maria Bigatti	1.5
643	GenRepr fails if there are zero generators	26 Jun 2015 12:13	Incomplete function	Bug	Anna Maria Bigatti	3.0
652	Flag to enable/disable printing of list of loaded packages	29 Jul 2015 16:24	enhancing/improving	Feature	John Abbott	6.01
684	Emacs UI: wrong name after auto-inserting enddefine	20 Apr 2015 11:17	EmacsUI	Bug	John Abbott	2.5
699	Emacs UI: set back "cocoa5-executable" to "CoCoAInterpreter"?	18 May 2015 17:10	EmacsUI	Bug	Anna Maria Bigatti	2.0
490	Duplicate fns: valuation and FactorMultiplicity	30 Jul 2015 17:15	Cleaning	Design	John Abbott	3.9
466	CoCoAManual: add entry summarising syntax of all CoCoA-5 commands	29 Jul 2015 12:12	Manual/documentation	Feature	Anna Maria Bigatti	2.0
164	CoCoA-5 emacs interface bug (minor): Source & SourceRegion with troublesome filenames	29 Jul 2015 21:37	EmacsUI	Bug	John Abbott	1.0
317	BuiltInFunctions: evalArgAsLong	29 Jul 2015 16:15	Parser/Interpreter	Feature	Anna Maria Bigatti	3.01

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
332	Approx pts preprocessing fns	29 Jul 2015 21:41	CoCoA-4 function to be added	Design	John Abbott	2.77
717	CoCoAManual: improve part on RINGHOM	29 Jul 2015 16:25	Manual/documentation	Support	Anna Maria Bigatti	1.5
<b>CoCoA-5.1.3/4 Jan 2016 (17)</b>						
700	Which external libs are present?	18 Feb 2016 15:52	CoCoA-5 function: new	Feature	Anna Maria Bigatti	1.0
768	Rename LogToTerm to MakeTerm	17 Feb 2016 13:05	enhancing/improving	Support	John Abbott	0.9
767	Rename Log to exponents	17 Feb 2016 13:02	enhancing/improving	Support	John Abbott	
843	Release: CoCoA-5.1.3 and CoCoA-5.1.4	04 Dec 2017 11:46	Release	Support	Anna Maria Bigatti	15.0
760	Primary Decomposition in CoCoA-5.1.3: zero dimensional, finite characteristic	17 Feb 2016 10:55	CoCoA-5 function: new	Feature	Elisa Palezzato	
314	odd and even numbers for snapshots/official versions?	23 Mar 2016 10:43	Release	Support	Anna Maria Bigatti	
771	New fns: MaxBy and MinBy to find minimum/maximum of a list wrt a given order	17 Feb 2016 12:40	CoCoA-5 function: new	Feature	John Abbott	
632	MacOSX: many warnings with compiler CLANG/LLVM when compiling BOOST code.	14 Oct 2022 16:25	Portability	Support	John Abbott	
844	IsMaximal, IsPrimary for IDEAL (in cocoa language)	16 Feb 2016 17:43	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.0
345	Interpreter interrupt delayed confusingly	04 Dec 2017 11:45	Parser/Interpreter	Bug	John Abbott	2.01
761	Evaluating a QuasiPol	17 Feb 2016 11:26	CoCoA-5 function: new	Feature	John Abbott	2.0
698	Emacs UI: problems with packages on windows	16 Feb 2016 17:50	EmacsUI	Bug	Anna Maria Bigatti	2.0
751	description of a RING	05 May 2017 16:07	enhancing/improving	Feature	Anna Maria Bigatti	6.01
650	CoCoA-5 test (SourceAnna); problem in HilbertPoly	23 Mar 2016 10:18	enhancing/improving	Bug	Anna Maria Bigatti	
766	CoCoA version number: copy CoCoALib	02 May 2017 14:42	Release	Design	Anna Maria Bigatti	
782	BuiltinFunctions -- getting too long again!	16 Feb 2016 17:58	Parser/Interpreter	Design	Anna Maria Bigatti	2.0
117	Added 3 times defn of isblank fn	17 Feb 2016 13:25	Portability	Bug	John Abbott	2.0
<b>CoCoA-5.2.2 (42)</b>						
798	use poly ring with many variables is too slow	13 Dec 2017 14:28	enhancing/improving	Slug	John Abbott	
1095	TimeOut not working as hoped/expected	13 Nov 2017 15:04	enhancing/improving	Bug	John Abbott	1.11
1127	subalgebra package obsolete?	16 Jan 2018 15:59	Cleaning	Design	Anna Maria Bigatti	2.01
981	SqFreeFactor: small (or big) bug?	13 Nov 2017 15:57	Incomplete function	Bug	John Abbott	0.75
1123	Should "minimalize" be obsolescent?	11 Dec 2017 18:01	CoCoA-4 function: obsolete	Design	Anna Maria Bigatti	5.01
1020	Rename minimalized(l) into IdealOfMinGens(l)?	20 Nov 2017 15:47	Renaming	Design	Anna Maria Bigatti	1.51
939	Rename Fact to factorial?	15 Nov 2017 17:40	Renaming	Design	John Abbott	
1073	RelNotes: current version or all previous versions?	15 Dec 2017 15:57	Manual/documentation	Feature	Anna Maria Bigatti	1.51
1061	Release: CoCoA-5.2.2	17 Jan 2018 12:05	Release	Support	Anna Maria Bigatti	24.01
1011	Random seed fn	15 Nov 2017 17:43	CoCoA-4 function to be added	Feature	John Abbott	

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
1139	Radical problems	13 Dec 2017 13:23	enhancing/improving	Bug	Anna Maria Bigatti	1.51
1133	Radical bug	11 Dec 2017 19:19	Incomplete function	Bug	Anna Maria Bigatti	2.0
1100	PrimaryDecomposition0: says not 0-dim but IsZeroDim says ideal is zero-dim!	11 Dec 2017 17:53	enhancing/improving	Bug	Anna Maria Bigatti	1.01
1142	NewZZmod: port to CoCoA-5	16 Jan 2018 15:30	CoCoA-5 function: new	Feature	Anna Maria Bigatti	2.01
1084	New function: PrevPrime	13 Nov 2017 15:43	CoCoA-5 function: new	Feature	John Abbott	1.51
988	Makefile: install target for cocoa5	15 Dec 2017 15:46	Portability	Feature	John Abbott	
1119	Mailing list for CoCoAUsers	16 Jan 2018 15:44	Release	Feature	Anna Maria Bigatti	6.0
265	Linking problems in CoCoA-5 GUI	13 Nov 2017 15:49	GUI	Support	John Abbott	0.33
1137	Latex: ideal	12 Dec 2017 15:36	enhancing/improving	Design	Anna Maria Bigatti	1.01
1062	IsRadical bug?	10 Nov 2017 12:18	Incomplete function	Bug	Anna Maria Bigatti	
1032	IsInRadical: fragile code	15 Dec 2017 15:37	enhancing/improving	Bug	John Abbott	1.11
1080	intersect: problem with zero generators	11 Dec 2017 17:41	Incomplete function	Bug	Anna Maria Bigatti	1.71
697	Interpreter: Avoid outputting an empty line after each line of input	11 Dec 2017 17:08	Parser/Interpreter	Bug	Anna Maria Bigatti	1.01
1140	ImplicitModular: too many bad primes	16 Jan 2018 15:45	bug	Bug	Anna Maria Bigatti	1.01
1128	HomomorphismFns.cpkg5 no longer needed?	16 Jan 2018 15:28	Cleaning	Design	Anna Maria Bigatti	0.33
1091	ExternalLib-MathSAT: (first) prototype CoCoA-5 interface for MathSAT	11 Dec 2017 17:58	CoCoA-5 function: new	Design	Anna Maria Bigatti	8.01
670	Error column indicator misaligned with non-printing (unprintable) characters	13 Nov 2017 15:58	enhancing/improving	Bug	John Abbott	1.8
1087	EmacsUI: get error "wrong-type-argument processp nil" when doing M-x cocoa5 when executable does not exist	13 Nov 2017 15:06	EmacsUI	Bug	John Abbott	
1109	Emacs UI can be slow in M\$ Windows	15 Nov 2017 17:05	EmacsUI	Slug	John Abbott	0.66
1092	Design issues for discussion in July 2017	11 Dec 2017 19:21	Cleaning	Design		
1060	describe ring: add final newline	13 Nov 2017 15:59	enhancing/improving	Bug	John Abbott	0.44
545	Compiler g++ 4.2.1 (clang-503.0.40) on MacOSX 10.9: warnings and errors	12 Mar 2019 16:40	Portability	Bug		10.0
1074	CoCoAManual: entry for radical	15 Dec 2017 15:41	Manual/documentation	Support	Anna Maria Bigatti	
1055	CoCoAManual: duplication (2 pages for operators)	11 Dec 2017 17:10	Manual/documentation	Bug	Anna Maria Bigatti	
1023	CoCoAManual for verbosity: how to find which levels? how to find which functions?	12 Dec 2017 11:01	Manual/documentation	Support	Anna Maria Bigatti	
1000	CoCoAManual for "all cocoa commands"	15 Dec 2017 16:20	Manual/documentation	Support	Anna Maria Bigatti	2.01
187	CoCoA-5 (partial) releases: make the process simpler	16 Jan 2018 15:35	Release	Support	Anna Maria Bigatti	45.0
439	CoCoA website: download pages and installing instructions	11 Dec 2017 18:14	Manual/documentation	Support	Anna Maria Bigatti	3.01
1021	CoCoA Manual: search should ignore multiple spaces	15 Nov 2017 17:19	Manual/documentation	Feature	John Abbott	1.88
940	Check all fns in packages work even without BackwardCompatible.cpkg5	04 Dec 2017 11:16	enhancing/improving	Support	John Abbott	
741	C5 GUI: slow to close	13 Nov 2017 15:46	GUI	Slug	John Abbott	2.75
1067	"Randomize" and "Randomized" obsolete?	15 Nov 2017 17:02	CoCoA-4 function to be added	Design	John Abbott	1.55

#	Subject	Updated	Category	Tracker	Assignee	Estimated time
275	Unhelpful error messages when SmallExponent_t is unsigned char.	17 Jan 2018 11:44	enhancing/improving	Bug	John Abbott	3.8
1114	Some other examples for 0-dim radical	31 Jul 2018 12:03	enhancing/improving	Slug	Anna Maria Bigatti	1.01
1152	Release: problems with sed	30 Jul 2018 14:46	Release	Bug	Anna Maria Bigatti	0.99
1148	Release CoCoA-5.2.4	09 Aug 2018 10:35	Release	Support	Anna Maria Bigatti	
1188	Product of empty list: manual and code disagree	30 Jul 2018 14:33	Manual/documentation	Support	John Abbott	1.1
1201	New package: poset	06 Aug 2018 16:20	CoCoA-5 function: new	Feature	Elisa Palezzato	
1202	New package: arrangements	06 Aug 2018 16:20	CoCoA-5 function: new	Feature	Elisa Palezzato	
1122	New fn: RandomLinearForm	30 Jul 2018 14:22	CoCoA-5 function: new	Feature	Anna Maria Bigatti	0.99
1172	MinSubsetOfGens: problem with generators = 0	30 Jul 2018 14:23	bug	Bug	Anna Maria Bigatti	
1164	Manual: loading manual entries written by users	10 Oct 2019 19:26	Manual/documentation	Design	Anna Maria Bigatti	20.0
1189	HilbertBasisKer: unhelpful error with some inputs	30 Jul 2018 14:17	bug	Bug	Anna Maria Bigatti	2.51
1190	HilbertBasisKer: SEGV (again)	30 Jul 2018 14:15	bug	Bug	Anna Maria Bigatti	3.51
1157	FactorAlgExt	31 Jul 2018 13:13	Incomplete function	Bug	Elisa Palezzato	2.01
978	CommonDenom: for polys and lists?	30 Jul 2018 14:28	CoCoA-5 function: new	Feature	John Abbott	1.01
1191	ApproxSolve: log(0) on some examples	26 Jul 2018 13:59	bug	Bug	John Abbott	0.77
907	ApproxSolve very slow on this example	06 Aug 2018 16:22	enhancing/improving	Slug	Anna Maria Bigatti	7.7
1007	(makefile) New "clean" target which does not clean documentation	30 Jul 2018 18:02	Portability	Feature	John Abbott	7.7
<b>CoCoA-5.3.2 (3)</b>						
1450	Release CoCoA-5.3.2	09 Oct 2020 14:17	Release	Support	Anna Maria Bigatti	0.66
1448	EmacsUI: sending line with "7" calls SourceRegion (!?!?)	30 Apr 2020 14:16	EmacsUI	Bug	John Abbott	2.01
1348	cocoa5 script for releases	09 Oct 2020 15:48	enhancing/improving	Design	Anna Maria Bigatti	4.99
<b>CoCoA-5.4.0 (91)</b>						
1524	wrong SystemCommand exit value	16 Feb 2022 19:53	Portability	Bug	John Abbott	0.66
1507	wordlist without OBSOLETE entries?	14 May 2021 17:49	EmacsUI	Support	John Abbott	0.88
1398	Website: hide/delete all the CoCoA-4 stuff?	12 Nov 2021 11:14	Cleaning	Support	Anna Maria Bigatti	0.44
1396	Website: download page for CoCoA-4 burns CPU	04 Mar 2021 17:15	Cleaning	Bug	Anna Maria Bigatti	
1530	VersionInfo -- better field names?	08 Jan 2021 11:24	enhancing/improving	Design	Anna Maria Bigatti	2.22
1550	version number for CoCoA5 snapshot release?	08 Jan 2021 11:30	Release	Design	John Abbott	
1660	Updating file obsolescent.cpkg5: make it easier	14 Feb 2022 18:16	Manual/documentation	Support	Anna Maria Bigatti	3.51
1489	Unhelpful error message for package followed by identifier (without dollar sign)	14 Oct 2020 13:58	enhancing/improving	Bug	John Abbott	1.99
637	Undesirable consequence of automatic mapping of RingElems?	27 Oct 2020 18:15	enhancing/improving	Design	John Abbott	1.81



#	Subject	Updated	Category	Tracker	Assignee	Estimated time
1553	Timing SystemCommand	19 Mar 2021 13:09	enhancing/improving	Bug	John Abbott	
1501	testing for syntax errors	05 Nov 2021 16:53	enhancing/improving	Design	John Abbott	
1407	Tagged values (Hilbert Series)	18 Feb 2022 16:22	bug	Design	Anna Maria Bigatti	1.51
1516	substring function	29 Jan 2021 12:03	CoCoA-5 function: new	Feature	John Abbott	0.99
1614	SourceRegion gives misleading error mesg	10 Nov 2021 18:04	bug	Bug	John Abbott	1.66
1651	SEGV subsets ??	03 Feb 2022 19:03	bug	Bug	John Abbott	0.99
1509	RingElems with empty input	08 Jan 2021 11:35	bug	Feature	Anna Maria Bigatti	3.01
674	Ring constructor: allow empty range for indices?	14 Oct 2020 14:43	enhancing/improving	Feature	John Abbott	1.21
1520	Replace BOOST_FOREACH by new C++14 range for syntax	29 Jan 2021 12:05	Cleaning	Design	John Abbott	1.44

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