

## CoCoA - All CoCoA Open Issues

#	Category	Priority	Subject	Assignee	Updated	% Done
<b>None (18)</b>						
1751		Normal	Manual of functions vs ManExamples	Anna Maria Bigatti	03 Jul 2023 20:54	10
1654		Normal	New function IsInSymbols		12 May 2023 08:03	0
1620		Normal	MinPolyQuot not documented		15 Oct 2021 14:24	0
1593		Normal	CanonicalHom		07 May 2021 08:20	0
1586		Normal	Profiling with clang	Anna Maria Bigatti	02 Apr 2021 09:28	10
1328		Normal	New ApCoCoA UI		04 Dec 2019 17:15	10
1357		Normal	How to connect GUI to cocoa5 executable?		30 Oct 2019 11:06	0
1354		Normal	ApCoCoA: separate window for manual		29 Oct 2019 11:30	0
1343		Normal	ApCoCoA projects		16 Oct 2019 15:10	0
1342		Normal	Input tabbed windows associated to files		16 Oct 2019 15:08	0
1340		Normal	Interactive window and history mechanism		16 Oct 2019 14:45	0
1304		Low	Hermite normal form		29 Aug 2019 14:43	0
1175		Normal	intersection		05 Apr 2018 09:29	0
1774	Administration	Normal	Look of first Redmine page linked from CoCoA web page	Anna Maria Bigatti	12 Jan 2024 13:18	90
1775	Documentation	Normal	CoCoALib releases on redmine	Anna Maria Bigatti	12 Jan 2024 13:29	70
1403	enhancing/improving	Normal	RingID: remove this function?		24 Jan 2020 21:20	10
1776	Manual/documentation	Normal	CoCoA-5 releases on redmine	Anna Maria Bigatti	12 Jan 2024 11:53	70
1186	Web	Normal	Web site: mailto link for bugs, suggestions etc broken		15 Jun 2018 23:56	0
<b>CoCoA-5.4.2 (124)</b>						
1794	bug	Normal	Strange bug: demo-Osaka2015		19 Apr 2024 22:10	70
1781	bug	Urgent	GenReprCompute: SERIOUS ERROR	Anna Maria Bigatti	09 Feb 2024 08:16	90
1604	bug	Normal	SqFreeFactor crashes over non-perfect field		28 Sep 2022 15:00	10
1502	bug	Normal	SystemCommand in Microsoft version	John Abbott	03 Feb 2022 19:46	50
1228	bug	High	SLUG: filling an array	John Abbott	03 Feb 2022 19:42	30
1552	bug	Normal	subst: not checking args properly		03 Feb 2022 19:07	0
1639	bug	Normal	RealRoots: crashes after interrupting		07 Dec 2021 20:26	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1229	bug	Normal	append is slow		04 Nov 2021 20:28	0
1574	bug	Normal	ApproxSolveTF		24 Sep 2021 22:29	0
1746	Cleaning	Normal	ManExamples target: need t reset VerbosityLevel	Anna Maria Bigatti	22 Dec 2023 20:09	90
1760	Cleaning	Normal	Quitting can be slow		06 Aug 2023 12:16	50
1679	Cleaning	Normal	BuiltinFunctions-GFan includes normaliz?!?		20 Apr 2022 21:49	0
929	Cleaning	Normal	Clean up CoCoALibSupplement	Anna Maria Bigatti	03 Feb 2022 19:48	20
474	Cleaning	Urgent	Eliminate package BinRepr	Anna Maria Bigatti	03 Feb 2022 19:47	50
476	Cleaning	Low	Review utility of package IO	Anna Maria Bigatti	03 Feb 2022 19:09	40
1648	Cleaning	Normal	ApproxSolve and RationalSolve take different input		03 Feb 2022 19:08	0
1192	Cleaning	Normal	RealRoots: rational roots (but not binary rational roots)		04 Nov 2021 20:29	0
465	Cleaning	Normal	Emacs UI; remove cruft		13 Nov 2020 11:17	0
78	CoCoA-4 function to be added	High	Elim ordering and matrix ordering in CoCoA-5	Anna Maria Bigatti	28 Mar 2024 07:25	50
368	CoCoA-4 function to be added	Normal	port SmithNormalForm (CoCoA-4)package to CoCoA-5	Anna Maria Bigatti	22 Jan 2024 10:37	10
1415	CoCoA-4 function to be added	Normal	thmproving package	Anna Maria Bigatti	13 Jun 2022 15:31	60
977	CoCoA-4 function to be added	Normal	"universal denominator" (related with GroebnerFanIdeals)		03 Feb 2022 19:11	20
1564	CoCoA-4 function to be added	Normal	Geometrical theorem proving package		19 Jan 2021 09:20	0
1626	CoCoA-4 function: obsolete	Normal	NewMat: should be obsolescent?	John Abbott	19 Jan 2024 18:11	90
1568	CoCoA-4 function: obsolete	High	RMap and image: obsolescent?	Anna Maria Bigatti	17 Oct 2022 14:04	40
1541	CoCoA-5 function: new	Normal	foreach with ref to list entry?		15 Jan 2024 19:39	0
242	CoCoA-5 function: new	Normal	CoCoA-5 Projects for students (e.g. crediti F and tesi)		21 Oct 2022 15:53	10
1549	CoCoA-5 function: new	Normal	Add sagbi package	Anna Maria Bigatti	18 Feb 2022 16:18	10
1659	CoCoA-5 function: new	Normal	Jordan Normal Form?		07 Feb 2022 17:57	0
1644	CoCoA-5 function: new	Normal	Allow user to choose whether to print finite field elems as symm residues or non-neg residue		03 Feb 2022 19:15	10
216	CoCoA-5 function: new	Normal	Janet Bases: port function into CoCoA-5		05 Nov 2021 16:12	20
1372	CoCoA-5 function: new	Normal	New function: find ?	Anna Maria Bigatti	04 Nov 2021 23:01	10
1469	CoCoA-5 function: new	Normal	Get indexed indets from a polyring		19 Jan 2021 12:39	0

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1535	CoCoA-5 function: new	Normal	New functions: argmin, argmax		26 Nov 2020 15:52	10
1476	CoCoA-5 function: new	Normal	Lin alg with polys		06 Aug 2020 15:03	0
579	CoCoA-5 function: new	Normal	Prototype package for Linear Commutative Algebra	Elisa Palezzato	15 May 2020 10:27	10
578	CoCoA-5 function: new	Normal	Gaussian Elimination		15 May 2020 10:26	10
1623	EmacsUI	Low	EmacsUI: annoying colours	Anna Maria Bigatti	19 Jan 2024 16:50	90
985	EmacsUI	Normal	Microsoft (Windows 10, maybe other versions): more help for installation	Anna Maria Bigatti	16 Feb 2022 20:26	10
448	EmacsUI	Low	EmacsUI Source/SourceRegion produce warning on Microsoft Windows 7 Ultimate		03 Feb 2022 19:51	0
1486	EmacsUI	Low	Emacs UI: indentation in a package		12 Nov 2021 11:19	10
1432	EmacsUI	Normal	Emacs UI: cocoa5-shell-check-process vs. process-status		05 Nov 2021 16:32	0
1551	EmacsUI	Low	Emacs: avoid making buffer visible in 2 "windows"?		19 Apr 2021 14:11	0
727	EmacsUI	Low	Emacs UI: send-file (C-c C-f) should check if buffer and file are synchronized		09 Feb 2021 15:22	0
1583	enhancing/improving	Normal	New fn ElapsedTimeFrom?		18 Mar 2024 21:27	0
1795	enhancing/improving	Normal	Makefile problem: needlessly relinks CoCoAInterpreter	John Abbott	18 Mar 2024 20:51	90
1671	enhancing/improving	Normal	Refactor C++ impl in OnlineHelp		11 Mar 2024 07:56	0
1041	enhancing/improving	Normal	Separators for elements of a list		04 Jan 2024 10:14	10
1681	enhancing/improving	Normal	Should Starting be case-insensitive?	Anna Maria Bigatti	22 Dec 2023 11:27	20
1772	enhancing/improving	Normal	Continued fraction: arg type RAT or RAT/INT?		28 Nov 2023 22:17	0
1747	enhancing/improving	Normal	NewPolyRing with indices -- better interface?		29 Jun 2023 18:09	0
716	enhancing/improving	Low	NotBuiltin.cpkg5: indent for MODULE		06 Oct 2022 20:00	10
1244	enhancing/improving	Normal	MSatLinSolve: req minor improvements		03 Feb 2022 20:14	10
1560	enhancing/improving	Normal	elim for modules		03 Feb 2022 19:55	0
1519	enhancing/improving	Normal	Interpreter fn Value::from can use std::move?		03 Feb 2022 19:54	0
1475	enhancing/improving	Normal	HilbertSeries: make into proper rational function		03 Feb 2022 19:54	0
1071	enhancing/improving	Normal	LinKerBasis is user-unfriendly		03 Feb 2022 19:54	10
1262	enhancing/improving	Normal	Split BuiltinFunctions-CoCoALib.C into smaller files		03 Feb 2022 19:53	30
1425	enhancing/improving	Normal	MakeTerm: implement in C++		03 Feb 2022 19:22	0
1313	enhancing/improving	Normal	Automatic conversion from RINGELEM to INT		03 Feb 2022 19:21	0
1204	enhancing/improving	Normal	MinPoly for matrix: fix in cocoa5 and export to cocoa5		03 Feb 2022 19:21	0
865	enhancing/improving	Normal	Implicit: make easier to use with rational functions	Anna Maria Bigatti	03 Feb 2022 19:20	0
1104	enhancing/improving	Normal	Eigenvectors: inconsistent return type	John Abbott	03 Feb 2022 19:20	10

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1631	enhancing/improving	Normal	Use filesystem::path instead of string (packageDir, CoCoAManFileName)		14 Jan 2022 10:27	0
1638	enhancing/improving	Normal	MinSubsetOfGens sometimes very slow		06 Dec 2021 20:37	0
1634	enhancing/improving	Normal	Unexpected or unhelpful error using GroebnerFanIdeals		23 Nov 2021 17:15	0
1496	enhancing/improving	Low	Use "special" names for variables inside tests		12 Nov 2021 10:06	10
1508	enhancing/improving	Normal	Initial ring		04 Nov 2021 23:04	20
610	enhancing/improving	Low	Variable It: assign before or after printing		04 Nov 2021 20:34	0
1581	enhancing/improving	Normal	Slow sqfr: rad(f)		12 Oct 2021 09:22	0
1237	enhancing/improving	Normal	ker: for PolyAlgHom from QQ[x,y,z] to QQ(t)		10 Jun 2021 18:06	0
1429	enhancing/improving	Normal	Stack overflow reading long list (SEGV)		19 Apr 2021 14:14	0
723	enhancing/improving	Normal	Referring to indets with multiple indices from a polyring		12 Feb 2021 12:16	0
1556	enhancing/improving	Normal	DivAlg slower than NR	Anna Maria Bigatti	08 Jan 2021 11:20	10
1545	enhancing/improving	Low	CoeffOfTerm: in CoCoALibSupplement		11 Dec 2020 12:30	20
1533	enhancing/improving	Low	RingElem and IndetSymbols not compatible		06 Nov 2020 13:56	10
1503	enhancing/improving	Normal	More flexible ring creation syntax (after use or ::=)		08 Oct 2020 14:16	0
1141	enhancing/improving	Low	IsInRadical: for monomial ideals		15 May 2020 10:53	0
709	External Libs	High	Speed of some Normaliz calls (NmzComputation)		03 Feb 2022 19:23	10
1393	GUI	Normal	GUI with Qt5	Ulrich von der Ohe	30 Nov 2022 22:07	90
1293	GUI	Low	Vim Plugin for CoCoA		24 Sep 2021 21:47	70
1636	Manual/documentation	Normal	Missing/Incomplete manual entries		30 Nov 2023 17:21	10
1741	Manual/documentation	High	Documentation/Manual for HilbertFn		10 May 2023 20:49	20
1079	Manual/documentation	Normal	CoCoAManual: AffHilbertFn accepts also ideal (correct?)		08 May 2023 20:44	20
912	Manual/documentation	Urgent	Add TUTORIALS to online manual		17 Oct 2022 14:02	80
1534	Manual/documentation	Immediate	Install CoCoA-5 on MacOS-10.15+		07 Oct 2022 14:35	50
322	Manual/documentation	High	Installation instructions (on website)	Anna Maria Bigatti	13 Jun 2022 15:32	60
1686	Manual/documentation	Normal	Manual entry for random (see also)		09 Jun 2022 20:49	0
1663	Manual/documentation	Normal	GCDList not documented		31 May 2022 09:55	0
1350	Manual/documentation	Normal	CoCoA manual: entry for operators, shortcuts		05 Feb 2022 20:35	0
1241	Manual/documentation	Normal	GDPR: website, mailing list		05 Feb 2022 20:34	0
1548	Manual/documentation	Normal	Man page for UniversalGBasis	Anna Maria Bigatti	03 Feb 2022 20:18	0
1480	Manual/documentation	Normal	Documentation for making ring with parameters		03 Feb 2022 20:18	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1454	Manual/documentation	Normal	Filenames in release CoCoAManual/html containing [obsolete]	Anna Maria Bigatti	03 Feb 2022 20:17	0
1418	Manual/documentation	Normal	Manual entry for NewPolyRing		03 Feb 2022 20:16	0
1365	Manual/documentation	Normal	Package Edgeldeal not documented		03 Feb 2022 20:16	0
1252	Manual/documentation	Normal	ShapeLemma: no manual entry		03 Feb 2022 20:16	0
1245	Manual/documentation	Normal	Online manual entry for RingElem needs to be improved		03 Feb 2022 20:15	0
557	Manual/documentation	Normal	CoCoAManual: improve part on input/output	Anna Maria Bigatti	03 Feb 2022 20:15	0
1430	Manual/documentation	Normal	HTML manual: search using keywords?		04 Nov 2021 23:17	0
1320	Manual/documentation	Normal	CoCoA-5 manual: incorrect empty line in syntax box (in PDF file)		04 Nov 2021 23:16	0
181	Manual/documentation	Low	Functions throwing error even though (trivially) defined		04 Nov 2021 23:09	10
1621	Manual/documentation	Normal	Doc for the various BuiltIn files		18 Oct 2021 11:26	0
1566	Manual/documentation	Normal	What does rad do?		21 Jan 2021 13:46	0
1603	Parser/Interpreter	Low	Unhelpful behaviour in "compatibility mode": double error mesg		18 Mar 2024 21:20	0
1650	Parser/Interpreter	Normal	Potentially confusing prompt: waiting for semicolon		18 Mar 2024 21:14	10
7	Parser/Interpreter	High	Automatic mapping between (some) rings	Anna Maria Bigatti	10 Mar 2023 17:08	80
946	Parser/Interpreter	Urgent	Function "ideal" evaluates the argument twice	Anna Maria Bigatti	23 Feb 2022 12:14	80
31	Parser/Interpreter	Normal	theValue makes copy	Anna Maria Bigatti	18 Feb 2022 16:42	60
1292	Parser/Interpreter	Normal	Interpreter: fns which accept INT or RAT		03 Feb 2022 19:33	0
1440	Parser/Interpreter	Low	Surprising parser error: INT+DOT+IDENTIFIER		04 Nov 2021 23:10	0
1435	Parser/Interpreter	Normal	Disable readline if input is redirected		04 Nov 2021 23:09	0
1544	Parser/Interpreter	Normal	CoCoA coding conventions for parser/interpreter?		11 Dec 2020 12:01	10
97	Parser/Interpreter	Normal	OpenOFile		20 Oct 2020 18:13	0
1373	Portability	Normal	GFan also for Microsoft?	Anna Maria Bigatti	17 Oct 2022 13:59	10
83	Portability	Normal	C++11 compatibility questions		03 Feb 2022 19:59	40
1146	Portability	Low	Use Flatpak and/or Snap on Linux?		06 Oct 2020 15:55	0
1701	Release	Normal	Preliminary packages		18 Mar 2024 21:05	10
1688	Release	Normal	Release CoCoA 5.4.2		14 Feb 2023 21:29	0
1708	Release	Normal	Linux: just 1 executable, should be 2 (with & without readline)		16 Nov 2022 15:45	0
1474	Release	High	Website: link to JSAG?		16 Feb 2022 20:27	0
1453	Release	Normal	Use symbolic links for release files		03 Feb 2022 19:39	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1445	Release	Normal	Automatic way to produce statically linked CoCoAInterpreter		03 Feb 2022 19:38	0
1456	Renaming	Normal	IntersectList or IntersectionList		15 Mar 2024 18:24	0
<b>CoCoA-5.4.4 (20)</b>						
1406	bug	Normal	Poor memory management?		15 Jan 2024 19:51	0
175	CoCoA-4 function to be added	Normal	Approximate BuchbergerMoeller: port to CoCoA-5	Anna Maria Bigatti	14 Mar 2023 22:12	70
1246	CoCoA-4 function to be added	Urgent	Revive old CoCoA4 package called "cocoa5.cpkg"	Anna Maria Bigatti	14 Mar 2023 11:58	90
1806	CoCoA-5 function: new	Normal	New function ModuleElems? (like RingElems(RING, STRING))		26 Mar 2024 13:44	0
1732	CoCoA-5 function: new	Normal	EvalPolyAtMat		28 Mar 2023 16:35	0
1596	CoCoA-5 function: new	Normal	Add CoCoA5 function NmzHilbertBasisKer	Anna Maria Bigatti	14 Mar 2023 14:59	80
469	EmacsUI	Low	Emacs UI: keywords in multiline comments		15 Jan 2024 19:49	20
1363	EmacsUI	Normal	Emacs UI: slow with long lines		15 Jan 2024 19:32	10
1622	enhancing/improving	Normal	BuiltinOneLiners -- less precise location in error messages		18 Mar 2024 21:16	0
1624	enhancing/improving	Normal	CantStop playing CantStop		15 Jan 2024 19:55	0
1578	enhancing/improving	Normal	SLUG: RationalSolve slow and stupid		15 Jan 2024 19:27	0
1762	enhancing/improving	Normal	CoCoA web site "analytics"	Anna Maria Bigatti	21 Aug 2023 18:20	10
1752	enhancing/improving	Normal	Make it easy to run the tests in a public/distrib version		06 Jul 2023 12:14	0
1731	enhancing/improving	Normal	Verbosity level in CoCoA5	Anna Maria Bigatti	11 May 2023 07:34	70
1728	enhancing/improving	Normal	Refine Poset impl & doc		21 Mar 2023 03:33	10
1805	Incomplete function	Normal	Add CoCoA-5 syntax: syz(<F,> list of ModuleElem)	Anna Maria Bigatti	26 Mar 2024 12:16	0
1765	Manual/documentation	Normal	Difference between seealso and keys?		16 Oct 2023 20:02	0
1077	Manual/documentation	Normal	Manual: remove old stuff about "devices"	John Abbott	14 Mar 2023 22:02	70
177	Manual/documentation	Normal	CoCoAManual: General part of the documentation is obsolete: update? discard?	Anna Maria Bigatti	10 Mar 2023 17:02	70
1759	Parser/Interpreter	Low	Better error mesg for 1.2.3.4?		19 Mar 2024 20:05	0
<b>CoCoA-5.?.? (119)</b>						
770		Normal	CoCoA type "cone"		22 May 2017 14:12	0
633		Normal	New operations? ScalarProduct(MODULEELEM,LIST), MATRIX * MODULEELEM		17 Mar 2017 10:55	0
453		Normal	Automatic conversion from INT (or RAT) to RINGELEM		02 Sep 2014 11:15	20
421		Normal	Allow user to give a name to a ring (in C5)		18 Jul 2014 15:05	10

#	Category	Priority	Subject	Assignee	Updated	% Done
230		Normal	More curiously slow code -- squaring a polynomial		04 Apr 2014 15:10	0
422		Normal	Bug or feature for protected name? (Use command)		04 Apr 2014 15:09	0
376	Cleaning	Normal	Hilbert: Redesign hp.cpkg5 and public functions in TmpHilbert.C	Anna Maria Bigatti	06 Aug 2020 12:21	10
480	Cleaning	Normal	gcd too slow for large degree univariate poly		30 Oct 2019 22:44	0
1351	Cleaning	Normal	Clean up package points.cpkg		25 Oct 2019 13:34	0
491	Cleaning	Normal	Cleaning: Cruft in CoCoA-5 packages		25 Jul 2018 14:26	20
989	Cleaning	Normal	init file obligatory?		01 Dec 2016 11:36	10
477	Cleaning	Normal	Eliminate keyword Alias?		04 Apr 2014 14:31	0
487	CoCoA-4 function to be added	Normal	ScalarProduct accepts MatrixRow?		18 Jun 2019 15:22	0
960	CoCoA-4 function to be added	Normal	New function: IdealAndSeparatorsOfPoints		02 Nov 2016 18:06	0
702	CoCoA-4 function to be added	Normal	Add more operations for modules	Anna Maria Bigatti	15 May 2015 09:05	0
614	CoCoA-4 function to be added	Normal	Add functions based on MayerVietorisTree	Anna Maria Bigatti	04 Sep 2014 14:05	10
412	CoCoA-4 function to be added	Normal	intersection (all lower case)	Anna Maria Bigatti	28 Jul 2014 17:41	20
512	CoCoA-4 function to be added	Normal	Resurrect MakeCheck()	Anna Maria Bigatti	28 Jul 2014 16:20	0
388	CoCoA-4 function to be added	High	port optimized resolutions to CoCoA-5	Anna Maria Bigatti	02 Jul 2014 16:13	0
501	CoCoA-4 function to be added	Normal	Toric: resurrect function TestSet (and find better name for it?)	Anna Maria Bigatti	09 Apr 2014 15:53	0
171	CoCoA-4 function to be added	High	Negate LIST, MAT,...		04 Apr 2014 16:27	0
454	CoCoA-4 function to be added	Normal	interpolate	John Abbott	04 Apr 2014 16:24	0
980	CoCoA-5 function: new	Normal	CoeffSize: function to measure the size of coeffs in a poly		28 Nov 2023 22:29	20
504	CoCoA-5 function: new	Normal	New operators: += -= *= /=	John Abbott	25 Oct 2019 11:55	20
1305	CoCoA-5 function: new	Normal	Create a directory		02 Sep 2019 16:31	10
1285	CoCoA-5 function: new	Normal	New Fn: make a homogeneous list of ringelem		23 May 2019 11:53	0
1153	CoCoA-5 function: new	Normal	New function: gin for algebraic extensions	Anna Maria Bigatti	25 Jul 2018 15:36	0
964	CoCoA-5 function: new	Normal	New function: MakeMultiset?	Anna Maria Bigatti	25 Jul 2018 15:35	0
993	CoCoA-5 function: new	Normal	New function: RingQQi()? extension of QQ with imaginary unit		13 Nov 2017 15:05	0
1107	CoCoA-5 function: new	Normal	CoCoA Online: install (using InteractiveShell)	Anna Maria Bigatti	16 Oct 2017 16:54	10

#	Category	Priority	Subject	Assignee	Updated	% Done
731	CoCoA-5 function: new	Normal	Primary Decomposition in CoCoA-5		02 Oct 2017 13:30	10
737	CoCoA-5 function: new	Low	Elementary transcendental functions (sin, cos, tan, log, exp)		20 Mar 2017 09:00	50
451	CoCoA-5 function: new	Normal	Port function NewSymbol/NewSymbols to CoCoA-5		09 Nov 2015 15:29	10
753	CoCoA-5 function: new	Normal	New function: LeastDegPolynomial (LDP)		30 Jul 2015 17:29	0
626	CoCoA-5 function: new	Normal	Output Betti numbers		17 Sep 2014 13:11	0
492	CoCoA-5 function: new	Normal	New C5 fn for adjusting the warning level		22 Jul 2014 12:38	0
274	CoCoA-5 function: new	Normal	InputForm for output readable as input	Anna Maria Bigatti	04 Apr 2014 16:43	10
483	CoCoA-5 function: new	Normal	Unique copies of rings in CoCoA-5		04 Apr 2014 16:42	0
235	CoCoA-5 function: new	Normal	Add LucasTest to cocoa5?		04 Apr 2014 16:38	0
148	EmacsUI	Normal	C-c C-p in emacs goes to wrong line		06 Oct 2022 20:15	20
660	EmacsUI	Low	Emacs UI: endfunc does not indent the line		04 Mar 2020 22:06	0
1076	EmacsUI	Low	EmacsUI: interrupt copies line cursor is on to bottom then interrupts		12 Jun 2017 18:27	0
772	EmacsUI	Low	Emacs UI: send-region and send-line make sense inside a cpkg5 file?		08 Sep 2015 12:49	20
671	EmacsUI	Low	Emacs UI: swapped splitting	Anna Maria Bigatti	09 Mar 2015 13:49	0
663	EmacsUI	Low	Emacs UI: C-c C-\ copies line cursor is on		04 Feb 2015 13:19	0
653	EmacsUI	Low	Emacs UI: use "warning colour" for an unmatched */		04 Dec 2014 15:39	0
424	EmacsUI	Low	Emacs UI: Name of emacs init file	Anna Maria Bigatti	22 Jul 2014 11:21	10
468	EmacsUI	Low	Emacs UI: indentation is wrong after ?keyword		17 Apr 2014 18:47	0
434	EmacsUI	Normal	Emacs UI: very slow when input file is big (with long lines)		09 Apr 2014 15:52	0
1068	enhancing/improving	Normal	PolyRing constructor: NewOrdvArith computed twice		21 Mar 2024 11:55	10
1722	enhancing/improving	Low	Daft slug		27 Feb 2023 12:57	20
984	enhancing/improving	Normal	GroebnerFanIdeals: order matrices sometimes have "large" entries		22 Nov 2021 20:19	0
875	enhancing/improving	Normal	Interpreter is too slow reading a big polynomial		20 Oct 2020 18:05	10
916	enhancing/improving	Normal	use command: unhelpful error if you use := instead of ::=		20 Oct 2020 17:50	0
1116	enhancing/improving	Normal	Port RowMat, ColMat, MatByRows,... to CoCoA-5	Anna Maria Bigatti	01 Oct 2019 14:40	0
1296	enhancing/improving	Normal	Matrixrow-functions		18 Jun 2019 15:15	10
1291	enhancing/improving	Low	LinearSimplify: sometimes not optimal		27 May 2019 21:17	0
1275	enhancing/improving	Low	incr and decr are slow		29 Apr 2019 17:53	0
1271	enhancing/improving	Normal	Allow Interruption of printing?		17 Apr 2019 10:17	10
857	enhancing/improving	Low	floor, ceil, and NearestInt for RingElem in CoCoA-5?		21 Feb 2019 09:17	0

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1138	enhancing/improving	Normal	Latex: matrix	Anna Maria Bigatti	11 Dec 2017 16:45	0
1129	enhancing/improving	Normal	Generic Timeout for CoCoA-5?		28 Nov 2017 18:06	10
1025	enhancing/improving	Normal	Example of slow LEX GBasis computation		15 Nov 2017 14:57	10
1034	enhancing/improving	Low	Improve error message when args to (infix operator) IsIn have incompatible types		17 Mar 2017 13:19	0
1003	enhancing/improving	Normal	New syntax for creating poly rings?		27 Jan 2017 15:54	10
917	enhancing/improving	Normal	CallOnGroebnerFanIdeals: better to use an iterator (or a "stream")		26 Nov 2016 17:46	0
941	enhancing/improving	Normal	Improve coverage of CoCoA-5 tests		10 Oct 2016 21:09	0
888	enhancing/improving	Normal	Escaped newline to allow a long line to be split into several "physical lines"		07 Jun 2016 00:26	0
879	enhancing/improving	Normal	LOGAR: make CoCoA-5 easier to use		09 May 2016 15:30	0
876	enhancing/improving	Normal	subst: allowed also for indets in the coeff ring		07 May 2016 13:59	0
862	enhancing/improving	Normal	append has bad complexity		05 Apr 2016 13:40	0
659	enhancing/improving	Low	Ring ID: separate index values for "system created rings"?		23 Jan 2015 14:11	0
657	enhancing/improving	Low	use command, ring syntax, RingOf		20 Jan 2015 20:32	0
656	enhancing/improving	Normal	eval: in which ring should the result be?		20 Jan 2015 20:25	0
655	enhancing/improving	Normal	MakeSet can be very slow		20 Jan 2015 17:12	0
646	enhancing/improving	Normal	Unique copies of free modules?		10 Nov 2014 16:42	0
600	enhancing/improving	Normal	efficient subalgebras	Anna Maria Bigatti	30 Jul 2014 17:29	0
712	External Libs	Normal	External Libs: missing dependencies in Makefiles	John Abbott	01 Oct 2019 14:31	10
720	External Libs	Normal	External libs: specifying I/O streams (initialization?)		22 May 2015 14:14	0
611	GUI	Low	GUI: quitting provokes Imminent Disaster		28 Feb 2024 21:24	0
1713	GUI	Low	Windows: Qt-Gui does not link correctly	Nico Mexis	25 Feb 2024 20:42	50
198	GUI	Normal	Appunti per (eventuale) tesi triennale Informatica: CoCoA GUI		30 Sep 2022 19:05	0
1093	GUI	Low	GUI: bugs and slugs	John Abbott	18 Aug 2022 15:36	10
133	GUI	Normal	Qt GUI: Make better distinction between input and output in the output window		12 Mar 2021 09:39	0
299	GUI	Low	GUI: message "running.." (close to output window?)		15 May 2020 10:56	0
527	GUI	Normal	GUI: better name for the graphical interface?		27 Jul 2015 19:25	0
136	GUI	Normal	GUI: Add an edit menu to the top bar (CoCoA GUI on MacOS)		02 Jul 2014 16:56	0
276	GUI	Normal	TeXmacs interface		09 Apr 2014 15:01	0
38	GUI	Normal	GUI: open file "with C5"		09 Apr 2014 15:00	0
100	Incomplete function	Normal	BringIn should map only the indets in its arg		26 Sep 2022 20:25	0
96	Incomplete function	Normal	sort is too slow	John Abbott	28 May 2021 20:40	0
920	Incomplete function	Normal	Empty matrix: warning, error, or empty matrix?		08 Sep 2016 11:45	10

#	Category	Priority	Subject	Assignee	Updated	% Done
106	Incomplete function	Normal	l:f (IDEAL and RINGELEM) -- operator colon	Anna Maria Bigatti	02 Sep 2014 11:12	10
1707	Manual/documentation	Normal	User forum?		01 Nov 2022 22:02	0
677	Manual/documentation	Normal	Credits to CoCoA-5 contributors		15 Nov 2019 15:28	0
1314	Manual/documentation	Normal	Emacs UI: open manual pages in a separate frame?		27 Sep 2019 17:23	10
943	Manual/documentation	Normal	Managing credits		16 May 2017 14:49	10
1054	Manual/documentation	Normal	CoCoAManual: improved search, or improved selection of "see also" pages		28 Apr 2017 11:42	0
1031	Manual/documentation	Normal	ScalarProduct: exact defn and manual page		17 Mar 2017 11:03	0
13	Manual/documentation	Normal	(short) manual for emacs interface		12 Oct 2016 16:56	0
296	Manual/documentation	Normal	Documentation for Parser/Interpreter	Anna Maria Bigatti	09 Apr 2014 17:22	10
323	Manual/documentation	Normal	system variables		04 Apr 2014 17:06	0
915	Parser/Interpreter	Low	When is a semicolon needed to end a statement/command?		28 Feb 2024 21:27	0
928	Parser/Interpreter	Low	ciao, exit, quit can be used not only at top level		18 Oct 2021 11:08	0
101	Parser/Interpreter	Normal	rethrow in Try .. UponError .. EndTry		23 Oct 2020 10:18	0
669	Parser/Interpreter	Low	NUL char in input terminates CoCoA-5		04 Mar 2020 21:28	0
597	Parser/Interpreter	Normal	Interpreter.C: remove calls to WrongTypeException		02 Mar 2020 21:45	0
1234	Parser/Interpreter	Normal	CoCoA should read unicode		01 Oct 2019 14:36	0
290	Parser/Interpreter	Normal	Which functions are defined in CoCoALibSupplement?	Anna Maria Bigatti	29 Mar 2019 19:23	20
183	Parser/Interpreter	Low	Template for unaryMinus?		25 Jul 2018 17:15	0
287	Parser/Interpreter	Normal	--fullCoCoALibError prints too much (Try/UponError)	Anna Maria Bigatti	02 Sep 2016 13:54	10
95	Parser/Interpreter	Normal	Error/warning if fn-proc is neither fn nor proc?		15 Jun 2016 14:13	0
749	Parser/Interpreter	Normal	IsDefined does not follow reference to undefined optional param		31 Jul 2015 12:08	0
375	Parser/Interpreter	Normal	allow single function call in "use" : e.g. "Use NewFractionField(R);"		02 Sep 2014 11:14	0
486	Parser/Interpreter	Normal	Warning about variable hiding another -- too zealous		01 Sep 2014 13:55	0
363	Parser/Interpreter	Normal	Colon operator, 2nd arg		09 Apr 2014 15:07	0
435	Parser/Interpreter	Normal	Assignment to protected variable		04 Apr 2014 17:05	0
629	Portability	Normal	Windows-GUI: compilation with MinGW	Anna Maria Bigatti	19 Mar 2024 22:21	20
1006	Portability	Normal	External dependencies for building		27 Oct 2021 13:13	10
<b>CoCoALib-0.99850 (1)</b>						
1687	Various	Normal	Release CoCoALib 0.99850	Anna Maria Bigatti	29 Mar 2024 10:42	50
<b>CoCoALib-0.99880 (137)</b>						

#	Category	Priority	Subject	Assignee	Updated	% Done
1414	Data Structures	High	Make class RingElemVector?		25 Apr 2024 21:53	20
924	Data Structures	Normal	FlagManager for bool/bool3 flags	Anna Maria Bigatti	16 Feb 2024 17:57	50
1422	Data Structures	Normal	Remove flag lhaveGBasisValue?	Anna Maria Bigatti	16 Feb 2024 17:56	10
1381	Data Structures	Normal	Type ideal for ZZ[x[1..n]]		16 Feb 2024 09:47	10
871	Data Structures	Normal	Redesign ideals		31 Oct 2023 11:24	0
1744	Data Structures	Normal	Implement GBMill (aka Groebner Framework)	Anna Maria Bigatti	25 May 2023 14:30	10
1738	Data Structures	Normal	Suggestion about Graded polynomial rings		05 May 2023 08:47	10
1662	Documentation	Normal	txt2tags: problem with filenames containing "_" or "-"	Anna Maria Bigatti	09 Apr 2024 14:21	80
1812	Documentation	Normal	Documentation: indexXX.html should be recompiled if version has changed		29 Mar 2024 10:37	0
1809	Documentation	Normal	Make ex-syz.C	Anna Maria Bigatti	28 Mar 2024 08:45	10
1510	Documentation	Normal	Documentation for SparsePolyOps?		18 Mar 2024 09:45	30
1665	Documentation	Normal	Compilation on Windows: problems for normaliz	Anna Maria Bigatti	18 Mar 2024 09:27	0
1561	Documentation	High	Doc for module term orderings		08 Mar 2024 17:38	0
1611	Documentation	Normal	Documentation for PrimaryDecomposition		16 Feb 2024 09:42	0
1673	Documentation	Normal	Review examples		08 Mar 2023 19:45	0
1664	Documentation	Normal	geobucket: documentation		08 Mar 2023 19:44	0
1219	Documentation	Normal	Frobby version number		08 Mar 2023 19:40	10
1497	Documentation	Normal	Doc for normaliz fns		08 Mar 2023 19:40	0
1764	Improving	Low	Verbosity messages: avoid printing BIG values		25 Apr 2024 21:44	10
1705	Improving	Normal	ProgressReporter: prepare for new loop?	John Abbott	25 Apr 2024 21:40	80
1572	Improving	Normal	Use noexcept	John Abbott	23 Apr 2024 21:57	70
1346	Improving	Normal	C++14: use the new for loop syntax where appropriate (like cocoa's foreach)		22 Apr 2024 21:08	80
1733	Improving	Low	FactorINT: funny order	John Abbott	22 Apr 2024 19:51	60
1394	Improving	Low	Oddly slow GBasis computation (slow final cleanup)	Anna Maria Bigatti	16 Apr 2024 22:46	70
598	Improving	Normal	Syzygy for modules: non-homogeneous module	Anna Maria Bigatti	27 Mar 2024 17:31	40
1667	Improving	Urgent	GBasis over ZZ: port to CoCoALib		26 Mar 2024 17:19	10
1793	Improving	Normal	Use ErrorContext instead of string FnName		26 Mar 2024 11:50	60

#	Category	Priority	Subject	Assignee	Updated	% Done
777	Improving	Normal	SLUG: elimination	Anna Maria Bigatti	22 Mar 2024 18:12	10
1796	Improving	Normal	myFinalizeGBasis ("Final clean up") should be more flexible	Anna Maria Bigatti	22 Mar 2024 16:19	30
967	Improving	Normal	Improve saturate	Anna Maria Bigatti	22 Mar 2024 10:18	70
1057	Improving	High	Slug: Polynomial ring constructor slow with (big) matrix ordering	Anna Maria Bigatti	22 Mar 2024 09:31	50
1798	Improving	Normal	Computing in sub polyring		22 Mar 2024 09:30	0
1756	Improving	Normal	deg(f) is slow if f is long	John Abbott	21 Mar 2024 20:40	50
1417	Improving	Normal	RadicalZeroDim with extra parameter for GBasis timeout	Anna Maria Bigatti	16 Mar 2024 21:42	20
1513	Improving	Normal	Better test for univariate-ness (and better conversion)		16 Mar 2024 21:38	0
743	Improving	Urgent	Better errors: give supplementary info about the error		15 Mar 2024 18:33	10
1559	Improving	Normal	Default ctor for rings		13 Mar 2024 20:42	10
1750	Improving	Normal	IdealOfPoints: allow duplicate points?	John Abbott	08 Mar 2024 18:23	20
1446	Improving	Normal	Start using C++14 "move" capability		08 Mar 2024 18:00	10
872	Improving	Urgent	LinSolve for matrices over FFp	John Abbott	08 Mar 2024 17:36	30
1685	Improving	Normal	RingBase::mySwap needed?		07 Mar 2024 20:49	10
1643	Improving	Normal	rref slower than expected (maybe) [[reduced row echelon form]]		01 Mar 2024 09:54	0
1642	Improving	Normal	interreduce: make monic if over finite field?	John Abbott	16 Feb 2024 20:44	20
710	Improving	Normal	Update normaliz interface?		16 Feb 2024 18:25	10
1757	Improving	Normal	gcd(f,f) is slow		16 Feb 2024 09:57	0
1349	Improving	Normal	ideal ctor where given gens are a gbasis		16 Feb 2024 09:52	10
1683	Improving	Immediate	IsIrred in ZZ[x,y]	John Abbott	16 Feb 2024 09:39	0
1737	Improving	Normal	Homogenization of an ideal with ZZ^1-grading	Anna Maria Bigatti	01 Feb 2024 19:59	20
1118	Improving	Low	SLUG: factorization of x^9999		31 Jan 2024 22:20	10
1370	Improving	Low	RingID counter increased inside some functions		31 Jan 2024 22:19	0
1668	Improving	Normal	Generalize prim		31 Jan 2024 22:03	0
1657	Improving	Normal	Improve CertifyNotPower		31 Jan 2024 22:03	0
1576	Improving	Normal	cmp for machine integers	John Abbott	21 Jan 2024 20:23	20
1280	Improving	High	Determinant & Inverse of matrix over non integral domain	John Abbott	21 Jan 2024 19:43	40
1730	Improving	Normal	ApplySPRCodomain: relax power/exponent check		27 Nov 2023 20:30	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1742	Improving	Normal	MinGens could be faster	Anna Maria Bigatti	18 May 2023 13:44	10
1337	Improving	Normal	PrimaryDecomposition: a interesting/pathological example	Anna Maria Bigatti	08 Mar 2023 21:13	10
1485	Improving	Normal	Simple syntax for making a quotient ring?		08 Mar 2023 19:51	0
1255	Improving	Normal	Ideals with trivial GBasis		08 Mar 2023 19:49	0
1740	Maths Bugs	High	MinGens gives non minimal gens *if some deg=0*	Anna Maria Bigatti	22 Mar 2024 18:04	30
1571	Maths Bugs	Normal	ker_H needs care	Anna Maria Bigatti	16 Feb 2024 17:49	10
1281	Maths Bugs	High	Factor of multivariate sometimes prints ERROR		21 Jan 2024 20:03	10
1233	Maths Bugs	High	factor SEGV -- too large characteristic	John Abbott	14 Mar 2023 19:45	60
1778	New Function	Normal	Homogenizer		25 Apr 2024 21:54	10
1808	New Function	Normal	New constructor for PolyRing with elimination ordering	Anna Maria Bigatti	28 Mar 2024 07:35	10
313	New Function	High	Elim(vector<long>) as PPOrderingCtor	Anna Maria Bigatti	22 Mar 2024 18:17	30
1094	New Function	Normal	Revive code for SelfSaturating GBasis	Anna Maria Bigatti	22 Mar 2024 14:38	50
206	New Function	Urgent	Matrix equation solving: LinKer		22 Mar 2024 09:42	30
813	New Function	Immediate	Implement "elim" in CoCoALib	Anna Maria Bigatti	18 Mar 2024 15:58	90
125	New Function	Normal	Matrix equation solving; linear system solving	John Abbott	18 Mar 2024 10:00	50
1207	New Function	Normal	New function: SubmoduleOfGBasis		18 Mar 2024 09:33	0
958	New Function	Normal	New function: multiplicity and dim	Anna Maria Bigatti	08 Mar 2024 18:15	80
1132	New Function	Normal	Canonical homomorphism for (some) polynomial rings?	Anna Maria Bigatti	08 Mar 2024 18:01	0
1197	New Function	Normal	IsZeroDet: new fn	John Abbott	08 Mar 2024 17:58	40
1306	New Function	Normal	exgcd over integers (ZZ)		08 Mar 2024 17:57	20
898	New Function	High	New function: cardinality of finite field?	Anna Maria Bigatti	08 Mar 2024 17:45	20
802	New Function	Urgent	DivMask: extend interface?	John Abbott	08 Mar 2024 17:36	50
801	New Function	Normal	Test whether a symbol is in a ring		07 Mar 2024 21:36	0
1254	New Function	Normal	New function: MinPoly for pseudo-zero-dimensional ideals	Anna Maria Bigatti	07 Mar 2024 20:25	0
1444	New Function	Normal	HNF: Hermite Normal Form		16 Feb 2024 09:53	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1635	New Function	Normal	NR for polys with coeffs in PID		16 Feb 2024 09:39	10
1715	New Function	Low	ProductBigInt (also ProductBigRat???)		23 Jan 2024 22:14	0
947	New Function	Normal	IsRadical for ideal?		23 Jan 2024 22:13	10
1743	New Function	Normal	Implement Truncated GBases for homogeneous input	Anna Maria Bigatti	19 May 2023 15:42	0
664	New Function	Urgent	Impl small non-prime finite fields (using logs)	John Abbott	14 Mar 2023 19:49	80
1176	New Function	Normal	interval arithmetic	John Abbott	10 Mar 2023 17:46	50
1670	Portability	Normal	Build also dynamic/shared library for CoCoALib?		07 Mar 2024 21:33	0
1699	Portability	Normal	Shell scripts: Shebang line, etc		16 Feb 2024 10:01	10
933	Portability	Normal	Separate configure scripts for CoCoALib and CoCoA-5	John Abbott	23 Jan 2024 21:52	10
308	Renaming	High	Error: ERR::NotNonZero instead of ERR::ZeroRingElem?		27 Mar 2024 17:37	40
1807	Renaming	Normal	Error codes: "Not..." for "blah must be ..." -- change prefix		26 Mar 2024 14:22	0
1193	Renaming	Low	Naming convention mistakes		08 Mar 2023 20:52	0
894	Safety	Normal	strict enum types: C++11 extension	John Abbott	25 Apr 2024 21:49	30
707	Safety	Normal	MatrixOrderingMod32749Impl: test and write documentation!	Anna Maria Bigatti	25 Apr 2024 21:46	50
934	Safety	Normal	MachineInt: change semantics?		22 Apr 2024 21:32	30
925	Safety	Normal	MachineInt or long for args which are indices (yet again)		16 Apr 2024 22:29	50
142	Safety	Normal	Improve threadsafety		21 Mar 2024 20:29	50
1678	Safety	Normal	Unsigned long for indexes (& sizes?)		07 Mar 2024 20:25	10
1703	Safety	Normal	Threadsafety, multithreading: optional fn arg (or separate fn)	John Abbott	07 Mar 2024 20:04	80
1388	Safety	Normal	GlobalManager: create SignalWatcher internally?		01 Mar 2024 09:49	0
1600	Safety	Normal	Detect updated versions of external libs		16 Feb 2024 10:02	10
1575	Safety	Normal	DynamicBitset missing arg checks	Anna Maria Bigatti	16 Feb 2024 09:46	0
1787	Tidying	Normal	Iterator design: compatible with C++STL? Advancing beyond end?	John Abbott	23 Apr 2024 22:26	30
1242	Tidying	Normal	C++14: Use type auto where appropriate		22 Apr 2024 21:08	40
1811	Tidying	Normal	Check include guards	John Abbott	22 Apr 2024 20:15	90
1800	Tidying	Normal	Conversion from SmallPrime to UNSIGNED long?		15 Apr 2024 10:09	10
1801	Tidying	Normal	BuildInfo		13 Apr 2024 22:18	10
582	Tidying	Normal	Error codes: use same code for "not poly ring" and "not elem poly ring"		26 Mar 2024 14:36	30
1720	Tidying	Normal	DivAlg in CoCoALib	Anna Maria Bigatti	25 Mar 2024 17:55	20
866	Tidying	Normal	implicit, ImplicitHypersurface: improve output verification		22 Mar 2024 09:43	20

#	Category	Priority	Subject	Assignee	Updated	% Done
1179	Tidying	Normal	Clean up SparsePolyOps-MonomialIdeals	Anna Maria Bigatti	22 Mar 2024 09:33	20
1792	Tidying	Normal	CpuTimeOut: arg of type ErrorContext?		18 Mar 2024 20:50	0
1704	Tidying	Normal	Symlink directory for external files needed by CoCoA-5	Anna Maria Bigatti	18 Mar 2024 09:29	0
849	Tidying	Normal	Cleanup MinPoly code	Anna Maria Bigatti	08 Mar 2024 18:15	10
1428	Tidying	Normal	DenseMatrix: use template impl for ctors from vec-vec?		07 Mar 2024 20:49	0
1464	Tidying	Normal	What is the difference between InterruptReceived and InterruptedBySignal		01 Mar 2024 09:54	0
1355	Tidying	Normal	TmpLDP uses srand and time		01 Mar 2024 09:50	0
1782	Tidying	Normal	Make CoCoALib test file for radical	Anna Maria Bigatti	01 Mar 2024 09:44	0
1465	Tidying	Normal	mul(MAT,MAT,MAT)		16 Feb 2024 10:04	10
1677	Tidying	Normal	release-source script: use shell globbing?		16 Feb 2024 10:01	10
1125	Tidying	Normal	Separate install script for CoCoALib?	John Abbott	23 Jan 2024 21:54	0
1736	Tidying	Normal	Clean TmpGOperations, and remove Tmp prefix		28 Apr 2023 16:01	0
1727	Tidying	Normal	Cruft in ExtLibs-Normaliz.C		13 Mar 2023 19:01	0
1628	Tidying	Normal	Unused variables, params, data members		11 Mar 2023 12:29	10
601	Tidying	Normal	LongRange: in which file should it be declared/defined?		08 Mar 2023 20:45	10
1562	Tidying	Normal	matrix.H and MatrixView.H		08 Mar 2023 19:56	0
1669	Tidying	Normal	Review File subtree hierarchy		08 Mar 2023 19:56	0
1609	Tidying	Low	Clean time.C		08 Mar 2023 19:54	0
680	Tidying	Normal	DistrMPolyClean does not use MemPool for summands?	John Abbott	07 Mar 2023 20:49	70
1263	Tidying	Normal	Tidy CoCoALib test directory	John Abbott	07 Mar 2023 20:49	80
1748	Various	Normal	July 2023	John Abbott	08 Mar 2024 08:29	0
1777	Various	Normal	VerificationLevel: just 3? Low, high, guaranteed?		16 Feb 2024 10:00	0
222	Various	Normal	Printing polynomials - spaces between terms		14 Mar 2023 21:27	30
1711	Various	Normal	Development releases?	Anna Maria Bigatti	09 Mar 2023 20:56	90
262	Various	Normal	Play with GIT		08 Mar 2023 19:54	0
1521	Various	Normal	Unexpectedly slow example with larger types for SmallExponent_t		08 Mar 2023 19:54	0
1542	Various	Normal	gfan does not "deinitialize"		08 Mar 2023 19:53	30
<b>CoCoALib-0.99900 (46)</b>						
1803		Normal	Improve trivial operations with ideal whose GBasis is [1]	Anna Maria Bigatti	25 Mar 2024 19:06	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1168	Data Structures	Normal	ideal: does const ourGetPtr really need to be private?		08 Mar 2024 17:26	40
1767	Data Structures	Normal	Finalize design for ideals in CoCoALib		08 Mar 2024 17:26	10
1784	Data Structures	Normal	Add flag IhaveHomogGensValue for ideals in SparsePolyRing?		01 Mar 2024 14:36	0
1115	Data Structures	Normal	New class: exterior algebra	John Abbott	31 Jan 2024 21:59	20
1066	Documentation	Normal	Documentation: translation table	Anna Maria Bigatti	08 Mar 2024 18:16	30
26	Documentation	High	Redmine Administration	Anna Maria Bigatti	23 Feb 2024 10:59	80
1607	Documentation	Normal	Coding guidelines		16 Feb 2024 10:02	0
1672	Documentation	Normal	Documentation: a good model to follow?		16 Feb 2024 09:33	0
1802	Improving	Normal	Tidying ideal generators (for non-polynomial ideals)		25 Mar 2024 19:05	0
1588	Improving	Low	ElimMat is slow		22 Mar 2024 09:29	0
1582	Improving	Normal	Factorization in $K(a,b)[x,y]$		07 Mar 2024 20:23	0
1786	Improving	Normal	Add new function for IsInRadical for monomial ideals? (RadicalMembership)	Anna Maria Bigatti	01 Mar 2024 18:37	10
1492	Improving	Low	submat of a submat		16 Feb 2024 17:28	0
1637	Improving	Low	Intersection of Ideals: has GBasis?		16 Feb 2024 17:25	0
1645	Improving	Normal	Implement monic0(f) for the case monic(0)?		16 Feb 2024 09:38	10
1682	Improving	Normal	swap for new classes		16 Feb 2024 09:35	10
1518	Improving	Normal	SLUG: Printing PPs with many indets		15 Feb 2024 22:45	20
1692	Improving	Normal	Suggestion: Add "JumpTo" function to prime iterators		15 Feb 2024 22:39	10
1797	New Function	Normal	Add a function CleanupGens making some easy cleaning on the generators?		25 Mar 2024 19:16	0
1282	New Function	Normal	subresultant		08 Mar 2024 17:54	20
1532	New Function	Normal	Convenient RingHom pseudo-ctors		07 Mar 2024 21:34	10
1470	New Function	Normal	Get indexed indets from a polyring		07 Mar 2024 20:36	0
1785	New Function	Normal	Add function IsHomog3(l)?		01 Mar 2024 14:53	0
949	New Function	Normal	New function: IdealWithIncrementalGBasis(l, f)	Anna Maria Bigatti	16 Feb 2024 18:03	0
1482	New Function	Normal	Extended rationals: PlusInfinity and MinusInfinity		16 Feb 2024 18:02	10
1433	New Function	Normal	HilbertDriven Buchberger Algorithm	Anna Maria Bigatti	16 Feb 2024 18:02	0
1441	New Function	Normal	GFan: port CoCoA_5 functions into CoCoALib	Anna Maria Bigatti	16 Feb 2024 17:54	0
1472	New Function	Low	Idea for for loops		16 Feb 2024 09:55	10
1437	New Function	Normal	Filling matrix row/col from a vector		15 Feb 2024 22:46	0

#	Category	Priority	Subject	Assignee	Updated	% Done
1468	New Function	Normal	Adjoin indets to a poly ring		15 Feb 2024 22:45	10
1602	New Function	Low	Sparse matrix (SparseMat)		15 Feb 2024 22:42	0
1652	New Function	Low	Add LM to cocoalib ?		15 Feb 2024 22:41	10
1804	Portability	Normal	Use long long (at least sometimes)?	John Abbott	26 Apr 2024 21:09	80
1225	Portability	High	Move to C++14 (skipping C++11)		08 Mar 2024 17:46	30
1630	Portability	Normal	Signal handler not portable?		15 Feb 2024 22:42	0
942	Renaming	Normal	Which names to use? Intersection/saturation vs intersect/saturate		22 Mar 2024 10:20	20
1814	Safety	Normal	Ensure tests do not need too much RAM		23 Apr 2024 22:14	30
1813	Safety	Normal	Some tests have become slower		07 Apr 2024 21:53	10
1691	Safety	Normal	Random and threadsafe?		15 Feb 2024 22:38	0
1702	Tidying	Low	Use C++ attributes		22 Apr 2024 21:26	10
1666	Tidying	Normal	MachineInt: chase through ULL changes		16 Apr 2024 22:40	10
1783	Tidying	Normal	Code & doc structure: one-big-file or many-small-files?		24 Feb 2024 18:34	10
1213	Tidying	Normal	Create PolyOps-RingElem?		16 Feb 2024 09:48	0
385	Tidying	Urgent	Design new errors using inheritance	John Abbott	09 Feb 2024 10:25	40
1810	Various	Normal	Release CoCoALib 0.99900		29 Mar 2024 09:00	0

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921		Normal	Design GBMill		22 May 2017 14:11	0
919		Normal	Hilbert Driven GBasis		22 May 2017 14:11	0
257		Normal	Transcribe C4 code for GCD in QQ[x]		01 Aug 2014 08:59	0
258		Normal	Multivariate lifting		01 Aug 2014 08:59	0
277		Normal	Eliminate class RefPPMonoidElem?		01 Aug 2014 08:59	0
282		Normal	Global setting: to use IsProbPrime in place of IsPrime		01 Aug 2014 08:59	0
6		High	Sort out RingElem, RefRingElem, ConstRefRingElem mess	John Abbott	01 Aug 2014 08:59	0
281		Normal	Store unique copy of FF(p) in GlobalManager		04 Apr 2014 17:10	0
832	Data Structures	Low	Generalize grading matrix		14 Mar 2024 11:29	20
769	Data Structures	Normal	CoCoALib cone		27 Jan 2020 15:32	10
729	Data Structures	Normal	Betti numbers, betti diagram		14 Jun 2018 15:54	10
427	Data Structures	Normal	Error names and error messages (current design)		11 May 2017 10:57	10
826	Data Structures	Normal	Sparse matrices		02 Dec 2015 18:24	0
396	Data Structures	Normal	PPMonoidElemAlias: redesign PPMonoidElem the same way as RingElem?	John Abbott	13 May 2015 09:57	0
550	Data Structures	Normal	add myResolution member field to ideal and (sub)module		13 May 2015 09:57	0

#	Category	Priority	Subject	Assignee	Updated	% Done
130	Data Structures	Normal	Design problem in ideals		13 May 2015 09:56	0
126	Data Structures	Normal	New datastructures directory		13 May 2015 09:56	0
59	Documentation	Low	List of all functions in CoCoALib		08 Mar 2023 19:44	10
1584	Documentation	Normal	Benchmarks?		08 Mar 2023 19:41	0
1134	Documentation	Normal	Organize better the documentation for CoCoALib		09 Apr 2019 10:50	0
624	Documentation	Normal	Wikipedia	Anna Maria Bigatti	06 Nov 2017 13:40	0
1096	Documentation	Low	WEB SITE: HTML is not clean!	Anna Maria Bigatti	31 Aug 2017 10:05	0
676	Documentation	Normal	Credits to CoCoALib contributors	Anna Maria Bigatti	28 Apr 2017 11:06	10
972	Documentation	Normal	ex-PolyIterator		17 Nov 2016 13:21	0
505	Documentation	Normal	Documentation: write doc for RingDenseUPolyClean	Anna Maria Bigatti	21 Sep 2016 17:15	0
926	Documentation	Low	Documentation: check layout of history at end of generated HTML files (from the txt files)		21 Sep 2016 13:29	0
788	Documentation	Normal	No doc for DistrMPolyInIFpPP		22 Oct 2015 13:49	0
353	Documentation	Normal	Missing documentation and tests for myRecvTwinFloat	John Abbott	14 Jul 2014 14:40	0
205	Documentation	Normal	Example for change of coordinates with coeffs in a matrix	Anna Maria Bigatti	14 Jul 2014 14:39	0
315	Documentation	Normal	Add doc for ApproxPts2		10 Jul 2014 16:23	0
231	Documentation	Normal	Documentation for QBGenerator needs to be improved.		09 Jul 2014 18:06	0
569	Documentation	Normal	Documentation for ReductionCog		11 Jun 2014 16:04	0
161	Documentation	Normal	Convert old "task table" into redmine		07 Apr 2014 14:35	0
112	Documentation	Normal	automatic creation of all function signatures		07 Apr 2014 14:34	0
76	Documentation	Low	keywords in documentation		04 Apr 2014 17:51	0

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