

## CoCoALib - Issues

#	Project	Parent task	Priority	Subject	Assignee	Updated	Category	% Done
827	CoCoALib		Immediate	NewPositiveMat also for matrices over QQ? Also NewIntegerOrdMat. (now called MakeTermOrd)		20 Jan 2017 14:26	Tidying	100
1264	CoCoALib		Urgent	Remove unnecessary files before making CoCoALib release TGZ files	John Abbott	12 Mar 2020 22:28	Tidying	100
592	CoCoALib		Urgent	Review design of ConstMatrixView	John Abbott	29 Sep 2016 16:03	Tidying	100
385	CoCoALib		Urgent	Design new errors using inheritance	John Abbott	09 Feb 2024 10:25	Tidying	40
944	CoCoALib		High	Release: CoCoALib-0.99550 (together with CoCoA-5.2.0)	Anna Maria Bigatti	08 May 2017 11:54	Tidying	100
829	CoCoALib		High	PPOrderingCtor: name of mem fn which actually constructs?	John Abbott	10 Nov 2017 15:09	Tidying	100
822	CoCoALib		High	Should ElimMat return a ConstMatrix	Anna Maria Bigatti	28 Apr 2017 15:16	Tidying	100
820	CoCoALib		High	NewMatMinimize, NewMatCompleteOrd - a godforsaken mess!	John Abbott	24 Mar 2016 18:09	Tidying	100
754	CoCoALib		High	Release: CoCoALib-0.99538 (together with CoCoA-5.1.2)	Anna Maria Bigatti	08 Oct 2015 14:47	Tidying	100
685	CoCoALib		High	Use DivMask inside QBGenerator		02 Feb 2016 14:16	Tidying	0
621	CoCoALib		High	Release: CoCoALib-0.99536	Anna Maria Bigatti	08 Oct 2015 14:48	Tidying	100
593	CoCoALib		High	Temporary directories used during configuration	John Abbott	08 Nov 2017 18:16	Tidying	100
415	CoCoALib		High	Remove AsPolyRing etc?	John Abbott	17 Jul 2014 14:29	Tidying	100
263	CoCoALib		High	Move the various <matrix>::mySetEntry procedures into MatrixBase		01 Aug 2014 16:29	Tidying	0
89	CoCoALib		High	MachineInt or long as fn arg type for indices	John Abbott	31 May 2013 16:53	Tidying	100
1811	CoCoALib		Normal	Check include guards	John Abbott	22 Apr 2024 20:15	Tidying	90
1801	CoCoALib		Normal	BuildInfo		13 Apr 2024 22:18	Tidying	10
1800	CoCoALib		Normal	Conversion from SmallPrime to UNSIGNED long?		15 Apr 2024 10:09	Tidying	10
1799	CoCoALib		Normal	Clean out OLD CODE?		24 Mar 2024 10:52	Tidying	0
1792	CoCoALib		Normal	CpuTimeOut: arg of type ErrorContext?		18 Mar 2024 20:50	Tidying	0
1787	CoCoALib		Normal	Iterator design: compatible with C++STL? Advancing beyond end?	John Abbott	23 Apr 2024 22:26	Tidying	30
1783	CoCoALib		Normal	Code & doc structure: one-big-file or many-small-files?		24 Feb 2024 18:34	Tidying	10
1782	CoCoALib		Normal	Make CoCoALib test file for radical	Anna Maria Bigatti	01 Mar 2024 09:44	Tidying	0
1753	CoCoALib		Normal	Clean up EulerTotient, InvTotient jungle in NumTheory-misc	John Abbott	29 Mar 2024 08:25	Tidying	100
1736	CoCoALib		Normal	Clean TmpGOperations, and remove Tmp prefix		28 Apr 2023 16:01	Tidying	0
1727	CoCoALib		Normal	Cruft in ExtLibs-Normaliz.C		13 Mar 2023 19:01	Tidying	0
1720	CoCoALib		Normal	DivAlg in CoCoALib	Anna Maria Bigatti	25 Mar 2024 17:55	Tidying	20
1704	CoCoALib		Normal	Symlink directory for external files needed by CoCoA-5	Anna Maria Bigatti	18 Mar 2024 09:29	Tidying	0
1693	CoCoALib		Normal	SizeInBase: obsolete	John Abbott	07 Oct 2022 15:25	Tidying	100
1689	CoCoALib		Normal	Automatic mapping of RHS in += etc	John Abbott	16 Feb 2024 17:35	Tidying	100
1680	CoCoALib		Normal	FloorLog2 or SizeInBase?	John Abbott	08 Aug 2022 20:16	Tidying	100

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1677	CoCoALib		Normal	release-source script: use shell globbing?		16 Feb 2024 10:01	Tidying	10
1669	CoCoALib		Normal	Review File subtree hierarchy		08 Mar 2023 19:56	Tidying	0
1666	CoCoALib		Normal	MachineInt: chase through ULL changes		16 Apr 2024 22:40	Tidying	10
1649	CoCoALib		Normal	Add file SparsePolyOps-vector.C	Anna Maria Bigatti	25 Mar 2024 17:49	Tidying	100
1628	CoCoALib		Normal	Unused variables, params, data members		11 Mar 2023 12:29	Tidying	10
1617	CoCoALib		Normal	UnivariateIndetIndex: exact semantics	John Abbott	12 Nov 2021 11:44	Tidying	100
1608	CoCoALib		Normal	Domain of definition of NextPrime (and PrevPrime)	John Abbott	20 Oct 2021 22:09	Tidying	100
1605	CoCoALib		Normal	binomial: domain of defn?	John Abbott	14 Sep 2021 12:01	Tidying	100
1562	CoCoALib		Normal	matrix.H and MatrixView.H		08 Mar 2023 19:56	Tidying	0
1528	CoCoALib		Normal	MacOS compilation with clang	John Abbott	23 Feb 2022 11:38	Tidying	100
1515	CoCoALib		Normal	Indets in coeffring are ringelems in coeffring?	John Abbott	27 Oct 2020 18:01	Tidying	100
1491	CoCoALib		Normal	Unified Gaussian reduction impl		08 Mar 2023 19:55	Tidying	0
1465	CoCoALib		Normal	mul(MAT,MAT,MAT)		16 Feb 2024 10:04	Tidying	10
1464	CoCoALib		Normal	What is the difference between InterruptReceived and InterruptedBySignal		01 Mar 2024 09:54	Tidying	0
1428	CoCoALib		Normal	DenseMatrix: use template impl for ctors from vec-vec?		07 Mar 2024 20:49	Tidying	0
1366	CoCoALib		Normal	Should configure remove the file ERR_MESGS if it's empty?	John Abbott	12 Feb 2020 15:57	Tidying	100
1362	CoCoALib		Normal	GBasis verbose mode: some output is on cerr/clog	John Abbott	12 Feb 2020 18:14	Tidying	100
1355	CoCoALib		Normal	TmpLDP uses srand and time		01 Mar 2024 09:50	Tidying	0
1326	CoCoALib		Normal	Modify function myElim so that it returns ideal? (not quite)	Anna Maria Bigatti	18 Mar 2024 16:03	Tidying	100
1279	CoCoALib		Normal	Tidy up code for matrix determinant	John Abbott	29 Oct 2020 21:48	Tidying	100
1263	CoCoALib		Normal	Tidy CoCoALib test directory	John Abbott	07 Mar 2023 20:49	Tidying	80
1259	CoCoALib		Normal	ThreadsafeCounter is now obsolete?	John Abbott	14 Oct 2019 15:15	Tidying	100
1242	CoCoALib		Normal	C++14: Use type auto where appropriate		22 Apr 2024 21:08	Tidying	40
1218	CoCoALib		Normal	32-bit or 64-bit preprocessor macro?	John Abbott	22 Apr 2024 20:21	Tidying	100
1213	CoCoALib		Normal	Create PolyOps-RingElem?		16 Feb 2024 09:48	Tidying	0
1196	CoCoALib		Normal	Split MatrixOps	John Abbott	29 Oct 2020 21:42	Tidying	100
1184	CoCoALib		Normal	should BeginIter(RingElem) be in SparsePolyIter or in SparsePolyOps-RingElem?	John Abbott	12 Feb 2020 18:17	Tidying	100
1182	CoCoALib		Normal	"mod" for BigInt	John Abbott	03 Aug 2018 16:27	Tidying	100
1179	CoCoALib		Normal	Clean up SparsePolyOps-MonomialIdeals	Anna Maria Bigatti	22 Mar 2024 09:33	Tidying	20
1170	CoCoALib		Normal	SmoothFactor: slow when a factor is found	John Abbott	29 Oct 2020 21:51	Tidying	100
1161	CoCoALib		Normal	Split NumTheory.C into several smaller files	John Abbott	12 Feb 2020 16:11	Tidying	100
1160	CoCoALib		Normal	Clean up revised RatReconstructByContFrac code	John Abbott	26 Feb 2019 16:33	Tidying	0

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1147	CoCoALib		Normal	mySquare and myPowerSmallExp		30 Apr 2019 17:18	Tidying	0
1135	CoCoALib		Normal	Compiler with --debug configuration option gives errors	John Abbott	15 Dec 2017 15:16	Tidying	100
1125	CoCoALib		Normal	Separate install script for CoCoALib?	John Abbott	23 Jan 2024 21:54	Tidying	0
1106	CoCoALib		Normal	Remove READLINE from CoCoALib	John Abbott	22 Apr 2024 20:24	Tidying	100
1098	CoCoALib		Normal	Ctors for exceptions/errors		06 Sep 2017 15:27	Tidying	0
983	CoCoALib		Normal	Which ostream for verbose/obsolescent log mesgs?	John Abbott	28 Apr 2017 09:35	Tidying	100
982	CoCoALib		Normal	Catching interrupts in example progs?	John Abbott	09 Jan 2020 22:29	Tidying	100
866	CoCoALib		Normal	implicit, ImplicitHypersurface: improve output verification		22 Mar 2024 09:43	Tidying	20
864	CoCoALib		Normal	Assignment of rings (esp. derived rings such as PolyRing)	John Abbott	28 Apr 2017 09:34	Tidying	100
859	CoCoALib		Normal	Twin-float: comparisons and equality test	John Abbott	25 Jun 2016 14:11	Tidying	100
849	CoCoALib		Normal	Cleanup MinPoly code	Anna Maria Bigatti	08 Mar 2024 18:15	Tidying	10
841	CoCoALib		Normal	NewPolyRing: tidy up the many different versions		01 Sep 2017 11:30	Tidying	10
834	CoCoALib		Normal	Fix test failures (after revising MatrixForOrdering)	Anna Maria Bigatti	24 Mar 2016 11:42	Tidying	100
831	CoCoALib		Normal	primary.cocoa5	Anna Maria Bigatti	22 Mar 2016 17:42	Tidying	100
830	CoCoALib		Normal	Use MachineInt instead of long for params to ZeroMat, IdentityMat, MatByCols, MatByRows	John Abbott	21 Mar 2016 14:36	Tidying	100
825	CoCoALib		Normal	IsPositiveGrading -- really need 2 signatures?	John Abbott	03 Aug 2018 17:01	Tidying	100
821	CoCoALib		Normal	IsTermOrdering	John Abbott	24 Mar 2016 12:02	Tidying	100
819	CoCoALib		Normal	GradingMat: does anyone need it?	Anna Maria Bigatti	24 Mar 2016 11:58	Tidying	100
818	CoCoALib		Normal	F5 with 3 args?	John Abbott	24 Nov 2015 10:11	Tidying	10
815	CoCoALib		Normal	GlobalManager: Imminent disaster should be a proper error	John Abbott	28 Apr 2017 09:32	Tidying	100
809	CoCoALib		Normal	FastCmp for degree -- useful?	Anna Maria Bigatti	27 Nov 2015 16:06	Tidying	0
808	CoCoALib		Normal	Alg Extn by non-zero dim ideal		18 Nov 2015 23:29	Tidying	0
791	CoCoALib		Normal	Clean code for DistrMPolyClean	Anna Maria Bigatti	02 Nov 2015 22:13	Tidying	0
790	CoCoALib		Normal	RingDistrMPolyInFpPPIImpl::mySummandPool frees ZERO PTR many times	John Abbott	28 Apr 2017 09:32	Tidying	100
778	CoCoALib		Normal	CRTMill::myAddInfo accept modulus 1 or not?		21 Mar 2016 15:16	Tidying	0
759	CoCoALib		Normal	Configuration: where to keep source for test compilations?	John Abbott	08 Nov 2017 18:13	Tidying	100
695	CoCoALib		Normal	Remove cruft from test files		08 May 2015 11:37	Tidying	0
694	CoCoALib		Normal	In test files: when is assert.H needed?	John Abbott	28 Apr 2017 09:32	Tidying	100
693	CoCoALib		Normal	Makefile_dependencies in src/tests/	John Abbott	15 Dec 2017 17:21	Tidying	100
686	CoCoALib		Normal	myAddMul in poly rings	Anna Maria Bigatti	20 Apr 2015 13:22	Tidying	20
680	CoCoALib		Normal	DistrMPolyClean does not use MemPool for summands?	John Abbott	07 Mar 2023 20:49	Tidying	70
675	CoCoALib		Normal	Matrix determinant over multivariate poly ring		22 May 2015 13:45	Tidying	10

#	Project	Parent task	Priority	Subject	Assignee	Updated	Category	% Done
641	CoCoALib		Normal	Clean test-FreeModule1	Anna Maria Bigatti	26 Jun 2015 16:58	Tidying	100
640	CoCoALib		Normal	What is test-Dynamic1.C		29 Oct 2014 11:30	Tidying	0
604	CoCoALib		Normal	Release: CoCoALib-0.99535	Anna Maria Bigatti	11 May 2015 14:07	Tidying	50
601	CoCoALib		Normal	LongRange: in which file should it be declared/defined?		08 Mar 2023 20:45	Tidying	10
599	CoCoALib		Normal	Release: CoCoALib-0.99534	Anna Maria Bigatti	11 Sep 2014 16:37	Tidying	100
582	CoCoALib		Normal	Error codes: use same code for "not poly ring" and "not elem poly ring"		26 Mar 2024 14:36	Tidying	30
574	CoCoALib		Normal	Tidy CoCoA root directory	John Abbott	08 Nov 2017 18:31	Tidying	100
572	CoCoALib		Normal	Split SparsePolyRing.H into two files? Problem with circular includes.		17 May 2018 16:36	Tidying	0
560	CoCoALib		Normal	CoCoALib/io.H	John Abbott	15 May 2014 14:26	Tidying	100
536	CoCoALib		Normal	Make RingBase::myCharacteristic a fn rather than a proc	John Abbott	09 Mar 2023 21:58	Tidying	100
535	CoCoALib		Normal	IO: move GlobalInput etc to CoCoA server!	John Abbott	15 May 2014 14:58	Tidying	100
528	CoCoALib		Normal	Release: CoCoALib-0.99533	Anna Maria Bigatti	30 Jul 2014 10:56	Tidying	100
516	CoCoALib		Normal	Make squarefreefactor work in multiple polynomial extns		10 Jul 2014 14:21	Tidying	0
498	CoCoALib		Normal	IsIntegralDomain, lamIntegralDomain3	John Abbott	17 Apr 2014 09:50	Tidying	100
437	CoCoALib		Normal	MemPool: order free blocks?		13 Apr 2015 23:31	Tidying	10
426	CoCoALib		Normal	ConvertTo with optional arg to give more helpful error message	John Abbott	03 Apr 2014 11:54	Tidying	100
411	CoCoALib		Normal	design of factorization template class	John Abbott	03 Apr 2014 11:54	Tidying	100
316	CoCoALib		Normal	submodule constructor different from ideal	Anna Maria Bigatti	10 Jul 2014 16:21	Tidying	0
305	CoCoALib		Normal	FreeModule: unique copy?		10 Dec 2023 20:43	Tidying	10
291	CoCoALib		Normal	NewZZmod and NewRingFp: improve manual, clarify implementation	John Abbott	03 Apr 2014 11:54	Tidying	100
272	CoCoALib		Normal	Forward declarations		07 Apr 2014 18:14	Tidying	0
167	CoCoALib		Normal	Integer operations	John Abbott	31 May 2012 17:39	Tidying	100
165	CoCoALib		Normal	FractionField -- only of TrueGCDDomain?	John Abbott	11 Jul 2014 12:05	Tidying	100
157	CoCoALib		Normal	Separate ThreadsafeCounter from symbol.C	John Abbott	18 Jun 2012 16:11	Tidying	100
154	CoCoALib		Normal	GCD normalization (e.g. monic)		24 Nov 2016 13:56	Tidying	20
139	CoCoALib		Normal	Usefulness of ring casting fns (remove AsPolyRing, etc.)	John Abbott	01 Aug 2014 18:53	Tidying	100
135	CoCoALib		Normal	Revise interface to SmallFpImpl & friends	John Abbott	27 May 2013 14:22	Tidying	100
119	CoCoALib		Normal	CoCoA4io	John Abbott	29 May 2013 11:36	Tidying	100
114	CoCoALib		Normal	Ideals of polynomials		10 Jul 2014 14:26	Tidying	10
87	CoCoALib		Normal	Cleanup header for ring classes (so that they are e-diff-able)	Anna Maria Bigatti	10 Jul 2014 16:26	Tidying	10

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71	CoCoALib	Feature #68: cleanup doc for matrix, MatrixViews, *Matrix*,....	Normal	ZeroMat & FilledMat	John Abbott	15 Apr 2014 16:13	Tidying	100
1702	CoCoALib		Low	Use C++ attributes		22 Apr 2024 21:26	Tidying	10
1609	CoCoALib		Low	Clean time.C		08 Mar 2023 19:54	Tidying	0
1463	CoCoALib		Low	SmoothFactor: use FactorMultiplicity	John Abbott	29 Oct 2020 21:44	Tidying	100
1014	CoCoALib		Low	RowMat, ColMat with arg an empty list/vector		24 Feb 2017 17:54	Tidying	10
833	CoCoALib		Low	UIBC: need include file in RingWeyl.C		08 Dec 2015 15:06	Tidying	0
537	CoCoALib		Low	FloatStr uses too much memory		16 Apr 2014 12:01	Tidying	0