

## CoCoALib - Issues

#	Project	Parent task	Priority	Subject	Assignee	Updated	Category	% Done
1791	CoCoALib		Urgent	Fix Google-search link in the html documentation	Anna Maria Bigatti	14 Mar 2024 09:24	Documentation	100
1790	CoCoALib		High	saturate with zero ideals	John Abbott	21 Mar 2024 17:56	Maths Bugs	100
1789	CoCoALib		Urgent	GradingMat with negative weights should complain (or deal with them properly!!)	Anna Maria Bigatti	18 Mar 2024 16:15	Improving	100
1788	CoCoALib		Normal	New MatrixView/function "FirstRows/FirstCols"?	Anna Maria Bigatti	20 Mar 2024 15:53	New Function	100
1780	CoCoALib		Normal	radical for ideals in SparsePolyRing: code in C++	Anna Maria Bigatti	22 Mar 2024 09:13	New Function	100
1779	CoCoALib		Normal	Radical error with lex (again)	Anna Maria Bigatti	23 Feb 2024 12:28	Various	100
1773	CoCoALib		Normal	CyclotomicFactorIndexes: gave wrong answer	John Abbott	22 Dec 2023 21:30	Maths Bugs	100
1771	CoCoALib		Normal	Hadamard bound: field names	John Abbott	22 Dec 2023 21:31	Renaming	100
1770	CoCoALib		Normal	Evaluate polynomial function/class	John Abbott	16 Mar 2024 21:52	New Function	100
1769	CoCoALib		Normal	FixedDivisor is sometimes surprisingly slow	John Abbott	22 Dec 2023 20:57	Improving	100
1768	CoCoALib		Normal	Limit indentation in verbose mesgs?	John Abbott	22 Jan 2024 10:36	Improving	100
1763	CoCoALib		Normal	implement ideal(R) for zero ideal, with no generators?	Anna Maria Bigatti	16 Feb 2024 18:01	New Function	100
1761	CoCoALib		Normal	MakeTermOrdMat: improve error mesg	John Abbott	13 Mar 2024 21:16	Improving	100
1758	CoCoALib		Normal	Graeffe "sign bug"	John Abbott	22 Dec 2023 20:59	Maths Bugs	100
1755	CoCoALib		High	CheckForInterrupt: give more info?	John Abbott	22 Dec 2023 20:56	Improving	100
1754	CoCoALib		Normal	IsSqFree poorly implemented	John Abbott	23 Feb 2024 11:39	Improving	100
1753	CoCoALib		Normal	Clean up EulerTotient, InvTotient jungle in NumTheory-misc	John Abbott	29 Mar 2024 08:25	Tidying	100
1749	CoCoALib		High	Configuration hiccups on Mac M1	John Abbott	21 Mar 2024 20:31	Portability	100
1739	CoCoALib		Normal	IsHomog for ideals	Anna Maria Bigatti	01 Mar 2024 14:57	Improving	100
1735	CoCoALib		Normal	PushFront/PushBack without checks?	John Abbott	08 Mar 2024 14:38	Improving	100
1729	CoCoALib		Urgent	Bug HilbertPoly of zero-dimensional ideals	Anna Maria Bigatti	12 Apr 2023 14:45	Maths Bugs	100
1726	CoCoALib		Normal	Dangling references to temporaries	John Abbott	25 Mar 2024 18:05	Portability	100
1725	CoCoALib		High	resultant: gives wrong answer when should be 0	John Abbott	09 Mar 2023 20:49	Maths Bugs	100
1723	CoCoALib		Normal	New fn CoprimePart, OddPart: naming question	John Abbott	07 Mar 2023 20:27	New Function	100
1721	CoCoALib		Normal	Verbose messages: print level?	Anna Maria Bigatti	12 Apr 2023 14:56	Improving	100
1716	CoCoALib		Normal	Qn: factor for BigInt	John Abbott	14 Mar 2023 21:32	Improving	100
1712	CoCoALib		Normal	Windows: New configuration script	John Abbott	13 Mar 2023 21:50	Portability	100
1710	CoCoALib		Urgent	IsSqFree, IsIrred bugs in ZZ[x] and QQ[x]	John Abbott	07 Mar 2023 20:55	Maths Bugs	100
1694	CoCoALib		Normal	New expv/exponents function?	John Abbott	09 Mar 2023 21:48	New Function	100
1693	CoCoALib		Normal	SizeInBase: obsolete	John Abbott	07 Oct 2022 15:25	Tidying	100

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1690	CoCoALib		High	resultant gives wrong answer if an arg has deg 0	John Abbott	18 Jan 2023 18:33	Maths Bugs	100
1689	CoCoALib		Normal	Automatic mapping of RHS in += etc	John Abbott	16 Feb 2024 17:35	Tidying	100
1687	CoCoALib		Normal	Release CoCoALib 0.99850	Anna Maria Bigatti	29 Mar 2024 10:42	Various	50
1684	CoCoALib		Normal	RandomNBitPrime - new fn	John Abbott	08 Aug 2022 20:08	New Function	100
1680	CoCoALib		Normal	FloorLog2 or SizeInBase?	John Abbott	08 Aug 2022 20:16	Tidying	100
1676	CoCoALib		Normal	txt2tags: include in source distribution?	John Abbott	04 Nov 2022 14:31	Documentation	100
1661	CoCoALib		Normal	Microsoft: cannot compile with signal handling	Nico Mexis	11 Apr 2024 10:10	Portability	100
1649	CoCoALib		Normal	Add file SparsePolyOps-vector.C	Anna Maria Bigatti	25 Mar 2024 17:49	Tidying	100
1647	CoCoALib		Normal	Suppress zero from ideal generators? Detect 1 and simplify generators?	Anna Maria Bigatti	25 Mar 2024 19:02	Data Structures	100
1641	CoCoALib		High	gcd does not recognize univariate input	John Abbott	21 Mar 2024 20:18	Improving	100
1619	CoCoALib		Normal	Make saturate available in CoCoALib	Anna Maria Bigatti	22 Mar 2024 10:14	New Function	100
1606	CoCoALib		Normal	Return type with const	John Abbott	21 Mar 2024 20:24	Improving	100
1579	CoCoALib		Low	Readexpr/RingElem: unhelpful error message when input is wrong	John Abbott	23 Feb 2024 12:39	Improving	100
1569	CoCoALib		Normal	IsInRadical too slow (test-RadicalMembership)		01 Mar 2024 18:40	Improving	100
1557	CoCoALib		Normal	Reading list of rationals is too slow	John Abbott	10 Mar 2023 18:23	Improving	100
1522	CoCoALib		High	SEGV: avoid long linked lists of loaves in MemPools	John Abbott	09 Mar 2023 21:50	Safety	100
1511	CoCoALib		Normal	Use C++14 constexpr	John Abbott	16 Mar 2024 21:55	Improving	100
1488	CoCoALib		High	BuiltIn Interreduce-Function	John Abbott	15 Mar 2023 08:40	New Function	100
1466	CoCoALib		Normal	Ops += *= etc for Matrices?	John Abbott	08 Aug 2022 20:01	Improving	100
1361	CoCoALib		Low	Compilation fails when compiling with libgsl	Florian Walsh	03 Feb 2024 19:56	Portability	100
1360	CoCoALib		Normal	configure script: add flags for "only cocoa5" or "both cocoa5 and cocoa5" (for boost)	John Abbott	07 Mar 2023 21:00	Makefile	100
1326	CoCoALib		Normal	Modify function myElim so that it returns ideal? (not quite)	Anna Maria Bigatti	18 Mar 2024 16:03	Tidying	100
1265	CoCoALib		High	Unregistered TXT files in doc	John Abbott	23 Feb 2024 11:34	Documentation	100
1212	CoCoALib		Normal	New function: GBasisByHomog	Anna Maria Bigatti	22 Mar 2024 14:32	New Function	100
1210	CoCoALib		Normal	New Fn: make public "coefficients" (of poly wrt a given PP basis)	John Abbott	08 Aug 2022 20:41	New Function	100
1206	CoCoALib		Normal	syz, SyzOfGens: which shifts for zero?	Anna Maria Bigatti	28 Mar 2024 10:15	Maths Bugs	100
1166	CoCoALib		Normal	C++11: allows large integer literals (in NumTheory-prime.C)	John Abbott	07 Mar 2024 20:49	Portability	100
1085	CoCoALib		High	Fns with "OUT" args: should they give ERR::MixedRings?	John Abbott	21 Mar 2024 20:29	Safety	100
950	CoCoALib		Normal	factor and SmoothFactor for integers --> FactorINT, FactorINT_TrialDiv, FactorINT_PollardRho	John Abbott	13 Mar 2023 22:02	Safety	100
908	CoCoALib		High	Sum of ideals: what are the generators of $(x) + (0)$ ?	Anna Maria Bigatti	08 Mar 2024 14:34	Improving	100
855	CoCoALib		High	Copyright and authorship?	John Abbott	15 Mar 2023 08:06	Portability	100

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800	CoCoALib		Urgent	PPMonoidSparse: impl of sparse PPs	John Abbott	09 Mar 2023 22:15	New Function	100
701	CoCoALib		Low	Makefile; limit dependencies on external libs		14 Oct 2022 16:51	Makefile	100
645	CoCoALib		Normal	Automatic mapping of RingElem: user selectable at run-time (GlobalManager?)	John Abbott	16 Feb 2024 17:41	Safety	100
613	CoCoALib		Normal	Which ubuntu / debian packages are needed to compile CoCoA	John Abbott	30 Nov 2022 22:02	Portability	100
536	CoCoALib		Normal	Make RingBase::myCharacteristic a fn rather than a proc	John Abbott	09 Mar 2023 21:58	Tidying	100
379	CoCoALib		Normal	Iter for subsets/tuples	John Abbott	13 Mar 2024 18:25	Data Structures	100
256	CoCoALib		Normal	Improve doc about ordering/grading for poly rings	Anna Maria Bigatti	14 Mar 2023 19:52	Documentation	100
253	CoCoALib		Normal	W.Bruns's wish list	John Abbott	14 Mar 2023 20:09	Various	100
202	CoCoALib		Normal	MatrixView/function for viewing a single row or column (RowMat, ColMat)	John Abbott	20 Mar 2024 14:09	Data Structures	100
111	CoCoALib		Normal	Mod fn for computing remainder	John Abbott	13 Mar 2024 21:01	Documentation	100
82	CoCoALib		Normal	C++11 compatibility questions	John Abbott	26 Sep 2022 20:34	Portability	100
64	CoCoALib		Normal	submat takes only vector<long>	John Abbott	08 Mar 2024 17:17	Improving	100