

CoCoALib - Issues

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|-----------|---------------------------------------------------------------------------|--------------------|-------------------|-----------------|--------|
| 813 | CoCoALib | | Immediate | Implement "elim" in CoCoALib | Anna Maria Bigatti | 18 Mar 2024 15:58 | New Function | 90 |
| 206 | CoCoALib | | Urgent | Matrix equation solving: LinKer | | 22 Mar 2024 09:42 | New Function | 30 |
| 1740 | CoCoALib | | High | MinGens gives non minimal gens *if some deg=0* | Anna Maria Bigatti | 22 Mar 2024 18:04 | Maths Bugs | 30 |
| 1414 | CoCoALib | | High | Make class RingElemVector? | | 25 Apr 2024 21:53 | Data Structures | 20 |
| 1057 | CoCoALib | | High | Slug: Polynomial ring constructor slow with (big) matrix ordering | Anna Maria Bigatti | 22 Mar 2024 09:31 | Improving | 50 |
| 898 | CoCoALib | | High | New function: cardinality of finite field? | Anna Maria Bigatti | 08 Mar 2024 17:45 | New Function | 20 |
| 409 | CoCoALib | | High | Minimal syzygies (optimized implementation) | Anna Maria Bigatti | 31 Jul 2014 12:36 | New Function | 0 |
| 399 | CoCoALib | | High | add myHilbertSeries member field to ideal and (sub)module | Anna Maria Bigatti | 30 Jul 2014 17:04 | New Function | 0 |
| 387 | CoCoALib | | High | implement algorithm(s) for resolutions | Anna Maria Bigatti | 30 Jul 2014 17:04 | New Function | 0 |
| 386 | CoCoALib | | High | add resolution data type | Anna Maria Bigatti | 11 Jun 2015 14:58 | New Function | 10 |
| 313 | CoCoALib | | High | Elim(vector<long>) as PPOrderingCtor | Anna Maria Bigatti | 22 Mar 2024 18:17 | New Function | 30 |
| 308 | CoCoALib | | High | Error: ERR::NotNonZero instead of ERR::ZeroRingElem? | | 27 Mar 2024 17:37 | Renaming | 40 |
| 26 | CoCoALib | | High | Redmine Administration | Anna Maria Bigatti | 23 Feb 2024 10:59 | Documentation | 80 |
| 1812 | CoCoALib | | Normal | Documentation: indexXX.html should be recompiled if version has changed | | 29 Mar 2024 10:37 | Documentation | 0 |
| 1810 | CoCoALib | | Normal | Release CoCoALib 0.99900 | | 29 Mar 2024 09:00 | Various | 0 |
| 1809 | CoCoALib | | Normal | Make ex-syz.C | Anna Maria Bigatti | 28 Mar 2024 08:45 | Documentation | 10 |
| 1808 | CoCoALib | | Normal | New constructor for PolyRing with elimination ordering | Anna Maria Bigatti | 28 Mar 2024 07:35 | New Function | 10 |
| 1807 | CoCoALib | | Normal | Error codes: "Not..." for "blah must be ..." -- change prefix | | 26 Mar 2024 14:22 | Renaming | 0 |
| 1803 | CoCoALib | | Normal | Improve trivial operations with ideal whose GBasis is [1] | Anna Maria Bigatti | 25 Mar 2024 19:06 | | 0 |
| 1797 | CoCoALib | | Normal | Add a function CleanupGens making some easy cleaning on the generators? | | 25 Mar 2024 19:16 | New Function | 0 |
| 1796 | CoCoALib | | Normal | myFinalizeGBasis ("Final clean up") should be more flexible | Anna Maria Bigatti | 22 Mar 2024 16:19 | Improving | 30 |
| 1786 | CoCoALib | | Normal | Add new function for IsInRadical for monomial ideals? (RadicalMembership) | Anna Maria Bigatti | 01 Mar 2024 18:37 | Improving | 10 |
| 1785 | CoCoALib | | Normal | Add function IsHomog3(l)? | | 01 Mar 2024 14:53 | New Function | 0 |
| 1784 | CoCoALib | | Normal | Add flag IhaveHomogGensValue for ideals in SparsePolyRing? | | 01 Mar 2024 14:36 | Data Structures | 0 |
| 1782 | CoCoALib | | Normal | Make CoCoALib test file for radical | Anna Maria Bigatti | 01 Mar 2024 09:44 | Tidying | 0 |
| 1775 | CoCoALib | | Normal | CoCoALib releases on redmine | Anna Maria Bigatti | 03 May 2024 07:32 | Documentation | 70 |
| 1767 | CoCoALib | | Normal | Finalize design for ideals in CoCoALib | | 08 Mar 2024 17:26 | Data Structures | 10 |
| 1744 | CoCoALib | | Normal | Implement GBMill (aka Groebner Framework) | Anna Maria Bigatti | 25 May 2023 14:30 | Data Structures | 10 |
| 1743 | CoCoALib | | Normal | Implement Truncated GBases for homogeneous input | Anna Maria Bigatti | 19 May 2023 15:42 | New Function | 0 |

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| 1742 | CoCoALib | | Normal | MinGens could be faster | Anna Maria Bigatti | 18 May 2023 13:44 | Improving | 10 |
| 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 |
| 1665 | CoCoALib | | Normal | Compilation on Windows: problems for normaliz | Anna Maria Bigatti | 18 Mar 2024 09:27 | Documentation | 0 |
| 1662 | CoCoALib | | Normal | txt2tags: problem with filenames containing "_" or "-" | Anna Maria Bigatti | 09 Apr 2024 14:21 | Documentation | 80 |
| 1654 | CoCoALib | | Normal | New function IsInSymbols | | 12 May 2023 08:03 | | 0 |
| 1645 | CoCoALib | | Normal | Implement monic0(f) for the case monic(0)? | | 16 Feb 2024 09:38 | Improving | 10 |
| 1571 | CoCoALib | | Normal | ker_H needs care | Anna Maria Bigatti | 16 Feb 2024 17:49 | Maths Bugs | 10 |
| 1433 | CoCoALib | | Normal | HilbertDriven Buchberger Algorithm | Anna Maria Bigatti | 16 Feb 2024 18:02 | New Function | 0 |
| 1422 | CoCoALib | | Normal | Remove flag IhaveGBasisValue? | Anna Maria Bigatti | 16 Feb 2024 17:56 | Data Structures | 10 |
| 1417 | CoCoALib | | Normal | RadicalZeroDim with extra parameter for GBasis timeout | Anna Maria Bigatti | 16 Mar 2024 21:42 | Improving | 20 |
| 1337 | CoCoALib | | Normal | PrimaryDecomposition: a interesting/pathological example | Anna Maria Bigatti | 08 Mar 2023 21:13 | Improving | 10 |
| 1255 | CoCoALib | | Normal | Ideals with trivial GBasis | | 08 Mar 2023 19:49 | Improving | 0 |
| 1254 | CoCoALib | | Normal | New function: MinPoly for pseudo-zero-dimensional ideals | Anna Maria Bigatti | 07 Mar 2024 20:25 | New Function | 0 |
| 1208 | CoCoALib | | Normal | New function: Threadsafe RandomLinearForm (CoCoALib) | | 01 Oct 2019 11:28 | Safety | 0 |
| 1207 | CoCoALib | | Normal | New function: SubmoduleOfGBasis | | 18 Mar 2024 09:33 | New Function | 0 |
| 1179 | CoCoALib | | Normal | Clean up SparsePolyOps-MonomialIdeals | Anna Maria Bigatti | 22 Mar 2024 09:33 | Tidying | 20 |
| 1168 | CoCoALib | | Normal | ideal: does const ourGetPtr really need to be private? | | 08 Mar 2024 17:26 | Data Structures | 40 |
| 1132 | CoCoALib | | Normal | Canonical homomorphism for (some) polynomial rings? | Anna Maria Bigatti | 08 Mar 2024 18:01 | New Function | 0 |
| 1130 | CoCoALib | | Normal | SqFreeFactor: should it work over ZZ? | | 05 Apr 2019 15:39 | Improving | 10 |
| 1115 | CoCoALib | | Normal | New class: exterior algebra | John Abbott | 31 Jan 2024 21:59 | Data Structures | 20 |
| 1094 | CoCoALib | | Normal | Revive code for SelfSaturating GBasis | Anna Maria Bigatti | 22 Mar 2024 14:38 | New Function | 50 |
| 1070 | CoCoALib | | Normal | Slug: MakeTermOrd (rk calls in RemoveRedundantRows) | Anna Maria Bigatti | 17 May 2017 13:47 | Improving | 10 |
| 1066 | CoCoALib | | Normal | Documentation: translation table | Anna Maria Bigatti | 08 Mar 2024 18:16 | Documentation | 30 |
| 1059 | CoCoALib | | Normal | Printing ring for ideals (or just for ideals 0 and 1) | | 05 May 2017 16:58 | Improving | 10 |
| 970 | CoCoALib | | Normal | Weights in ElimMat? | | 11 Nov 2016 15:49 | Improving | 10 |
| 967 | CoCoALib | | Normal | Improve saturate | Anna Maria Bigatti | 22 Mar 2024 10:18 | Improving | 70 |
| 958 | CoCoALib | | Normal | New function: multiplicity and dim | Anna Maria Bigatti | 08 Mar 2024 18:15 | New Function | 80 |
| 949 | CoCoALib | | Normal | New function: IdealWithIncrementalGBasis(l, f) | Anna Maria Bigatti | 16 Feb 2024 18:03 | New Function | 0 |
| 937 | CoCoALib | | Normal | LinDepMill: Mill for linear dependencies | Anna Maria Bigatti | 18 Apr 2024 16:38 | New Function | 10 |
| 924 | CoCoALib | | Normal | FlagManager for bool/bool3 flags | Anna Maria Bigatti | 16 Feb 2024 17:57 | Data Structures | 50 |
| 921 | CoCoALib | | Normal | Design GBMill | | 22 May 2017 14:11 | | 0 |

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| 919 | CoCoALib | | Normal | Hilbert Driven GBasis | | 22 May 2017 14:11 | | 0 |
| 914 | CoCoALib | | Normal | New function: quorem for univariate polynomials? | | 22 Aug 2016 16:45 | New Function | 0 |
| 906 | CoCoALib | | Normal | External libraries: keep copy of compatible versions? | | 13 Jul 2016 11:19 | Portability | 0 |
| 849 | CoCoALib | | Normal | Cleanup MinPoly code | Anna Maria Bigatti | 08 Mar 2024 18:15 | Tidying | 10 |
| 780 | CoCoALib | | Normal | GroebnerFan/ExternalLib-GFan: improve package | Anna Maria Bigatti | 21 Apr 2017 11:06 | Improving | 20 |
| 769 | CoCoALib | | Normal | CoCoALib cone | | 27 Jan 2020 15:32 | Data Structures | 10 |
| 765 | CoCoALib | | Normal | ExternalLib-CDD: (needed by GFan) | Anna Maria Bigatti | 11 Sep 2019 13:47 | Portability | 10 |
| 707 | CoCoALib | | Normal | MatrixOrderingMod32749Impl: test and write documentation! | Anna Maria Bigatti | 25 Apr 2024 21:46 | Safety | 50 |
| 703 | CoCoALib | | Normal | Add more operations between modules (CoCoALib) | Anna Maria Bigatti | 27 Oct 2017 11:53 | New Function | 10 |
| 688 | CoCoALib | | Normal | PolyAlgebraHom (PolyRingHom) evaluate multivariate polynomials | | 22 Apr 2015 14:38 | Improving | 10 |
| 676 | CoCoALib | | Normal | Credits to CoCoALib contributors | Anna Maria Bigatti | 28 Apr 2017 11:06 | Documentation | 10 |
| 667 | CoCoALib | | Normal | factor: multivariate + finite characteristic | | 04 Mar 2015 20:08 | New Function | 0 |
| 651 | CoCoALib | | Normal | Optimized algorithms for implicitization (slicing algorithm, elim, subalgebra..) | | 12 Feb 2015 10:33 | New Function | 10 |
| 589 | CoCoALib | | Normal | Implement gin (generic initial ideal) in cocoalib | Anna Maria Bigatti | 15 Jul 2014 18:17 | New Function | 0 |
| 583 | CoCoALib | | Normal | New function for printing with extra information | | 07 Jul 2014 11:48 | New Function | 0 |
| 550 | CoCoALib | | Normal | add myResolution member field to ideal and (sub)module | | 13 May 2015 09:57 | Data Structures | 0 |
| 505 | CoCoALib | | Normal | Documentation: write doc for RingDenseUPolyClean | Anna Maria Bigatti | 21 Sep 2016 17:15 | Documentation | 0 |
| 455 | CoCoALib | | Normal | Which sets of generators in an ideal? | | 14 Jul 2014 15:17 | Various | 0 |
| 427 | CoCoALib | | Normal | Error names and error messages (current design) | | 11 May 2017 10:57 | Data Structures | 10 |
| 400 | CoCoALib | | Normal | add myJBMill member field to ideal | | 15 Sep 2014 12:04 | New Function | 0 |
| 396 | CoCoALib | | Normal | PPMonoidElemAlias: redesign PPMonoidElem the same way as RingElem? | John Abbott | 13 May 2015 09:57 | Data Structures | 0 |
| 353 | CoCoALib | | Normal | Missing documentation and tests for myRecvTwinFloat | John Abbott | 14 Jul 2014 14:40 | Documentation | 0 |
| 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 |
| 297 | CoCoALib | | Normal | Modules design: brainstorming | | 31 Jul 2014 14:55 | New Function | 30 |
| 281 | CoCoALib | | Normal | Store unique copy of FF(p) in GlobalManager | | 04 Apr 2014 17:10 | | 0 |
| 227 | CoCoALib | | Normal | HilbertBasis from Normaliz: full-lattice or not? | | 31 Jul 2014 12:39 | New Function | 0 |
| 205 | CoCoALib | | Normal | Example for change of coordinates with coeffs in a matrix | Anna Maria Bigatti | 14 Jul 2014 14:39 | Documentation | 0 |
| 196 | CoCoALib | | Normal | PPWithMask needs checking | Anna Maria Bigatti | 04 Apr 2014 17:50 | Documentation | 0 |
| 174 | CoCoALib | | Normal | IsStdGraded: add for PPOrdering, PPMonoid, (Sparse)PolyRing.. | | 01 Aug 2014 08:59 | New Function | 0 |
| 161 | CoCoALib | | Normal | Convert old "task table" into redmine | | 07 Apr 2014 14:35 | Documentation | 0 |

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| 123 | CoCoALib | | Normal | IdealOfPoints with generic coeffs | | 09 Jul 2014 18:15 | New Function | 0 |
| 112 | CoCoALib | | Normal | automatic creation of all function signatures | | 07 Apr 2014 14:34 | Documentation | 0 |
| 92 | CoCoALib | | Normal | Error Codes | | 19 Apr 2017 08:31 | Various | 0 |
| 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 |
| 74 | CoCoALib | | Normal | printing polynomials | | 14 Jul 2014 11:07 | Various | 10 |
| 832 | CoCoALib | | Low | Generalize grading matrix | | 14 Mar 2024 11:29 | Data Structures | 20 |
| 539 | CoCoALib | | Low | Functions to clean up a factorization | | 22 Jan 2024 20:28 | New Function | 0 |
| 76 | CoCoALib | | Low | keywords in documentation | | 04 Apr 2014 17:51 | Documentation | 0 |
| 59 | CoCoALib | | Low | List of all functions in CoCoALib | | 08 Mar 2023 19:44 | Documentation | 10 |