

CoCoALib - Issues

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|-----------|---|--------------------|-------------------|-----------------|--------|
| 1803 | CoCoALib | | Normal | Improve trivial operations with ideal whose GBasis is [1] | Anna Maria Bigatti | 25 Mar 2024 19:06 | | 0 |
| 1744 | CoCoALib | | Normal | Implement GBMill (aka Groebner Framework) | Anna Maria Bigatti | 25 May 2023 14:30 | Data Structures | 10 |
| 1647 | CoCoALib | | Normal | Suppress zero from ideal generators? Detect 1 and simplify generators? | Anna Maria Bigatti | 25 Mar 2024 19:02 | Data Structures | 100 |
| 1422 | CoCoALib | | Normal | Remove flag lhaveGBasisValue? | Anna Maria Bigatti | 16 Feb 2024 17:56 | Data Structures | 10 |
| 924 | CoCoALib | | Normal | FlagManager for bool/bool3 flags | Anna Maria Bigatti | 16 Feb 2024 17:57 | Data Structures | 50 |
| 1809 | CoCoALib | | Normal | Make ex-syz.C | Anna Maria Bigatti | 28 Mar 2024 08:45 | Documentation | 10 |
| 1791 | CoCoALib | | Urgent | Fix Google-search link in the html documentation | Anna Maria Bigatti | 14 Mar 2024 09:24 | Documentation | 100 |
| 1775 | CoCoALib | | Normal | CoCoALib releases on redmine | Anna Maria Bigatti | 03 May 2024 07:32 | Documentation | 70 |
| 1674 | CoCoALib | | Immediate | DocTeX.t2t missing several "index entries" | Anna Maria Bigatti | 18 Mar 2022 10:26 | Documentation | 100 |
| 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 |
| 1612 | CoCoALib | | Urgent | Merge the doc file RadicalMembership.txt into ideal.txt | Anna Maria Bigatti | 04 Mar 2022 17:36 | Documentation | 100 |
| 1591 | CoCoALib | | High | Compilation of Normaliz | Anna Maria Bigatti | 07 Mar 2022 10:06 | Documentation | 100 |
| 1317 | CoCoALib | | Normal | txt2tags: LaTeX/PDF section numbers over 99 in TOC | Anna Maria Bigatti | 10 Oct 2019 18:41 | Documentation | 100 |
| 1124 | CoCoALib | | Normal | Move examples directory into doc -- or just change makefile? | Anna Maria Bigatti | 03 Aug 2018 17:04 | Documentation | 100 |
| 1099 | CoCoALib | | Urgent | MinPolyQuot: missing doc | Anna Maria Bigatti | 03 Aug 2018 14:32 | Documentation | 100 |
| 1096 | CoCoALib | | Low | WEB SITE: HTML is not clean! | Anna Maria Bigatti | 31 Aug 2017 10:05 | Documentation | 0 |
| 1066 | CoCoALib | | Normal | Documentation: translation table | Anna Maria Bigatti | 08 Mar 2024 18:16 | Documentation | 30 |
| 1063 | CoCoALib | | Normal | Catching an (expected) error | Anna Maria Bigatti | 08 Nov 2017 14:24 | Documentation | 100 |
| 1058 | CoCoALib | | Normal | CoCoALib version in Documentation and Examples | Anna Maria Bigatti | 19 Dec 2017 07:50 | Documentation | 100 |
| 966 | CoCoALib | | Normal | New function or explain: first and last for a vector? | Anna Maria Bigatti | 14 Feb 2020 10:21 | Documentation | 100 |
| 905 | CoCoALib | | Normal | txt2tags: double quotes wrong in LaTeX | Anna Maria Bigatti | 10 Oct 2019 19:06 | Documentation | 100 |
| 683 | CoCoALib | | Normal | Module index component in internal compressed representation | Anna Maria Bigatti | 15 Dec 2017 16:37 | Documentation | 100 |
| 676 | CoCoALib | | Normal | Credits to CoCoALib contributors | Anna Maria Bigatti | 28 Apr 2017 11:06 | Documentation | 10 |
| 624 | CoCoALib | | Normal | Wikipedia | Anna Maria Bigatti | 06 Nov 2017 13:40 | Documentation | 0 |
| 580 | CoCoALib | | Normal | Example for PPVector: ex-PPVector | Anna Maria Bigatti | 31 Jul 2014 12:28 | Documentation | 100 |
| 507 | CoCoALib | | Normal | CoCoA website: CoCoALib-0.99532 | Anna Maria Bigatti | 02 Apr 2014 15:40 | Documentation | 100 |
| 505 | CoCoALib | | Normal | Documentation: write doc for RingDenseUPolyClean | Anna Maria Bigatti | 21 Sep 2016 17:15 | Documentation | 0 |
| 467 | CoCoALib | | Normal | Keep CoCoALib web page up to date! All pages! | Anna Maria Bigatti | 18 Feb 2022 15:32 | Documentation | 100 |
| 452 | CoCoALib | | Normal | Documentation for adding functions to CoCoA-5 (BuiltInFunctions and BuiltInOneLiners) | Anna Maria Bigatti | 31 Jul 2014 12:31 | Documentation | 100 |

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|------|----------|---|----------|---|--------------------|-------------------|---------------|--------|
| 389 | CoCoALib | | Normal | problem loading library.H (parallel make -j4) | Anna Maria Bigatti | 29 Oct 2013 13:31 | Documentation | 100 |
| 288 | CoCoALib | | Normal | DynamicBitset example using LPP | Anna Maria Bigatti | 17 Apr 2014 15:23 | Documentation | 100 |
| 256 | CoCoALib | | Normal | Improve doc about ordering/grading for poly rings | Anna Maria Bigatti | 14 Mar 2023 19:52 | Documentation | 100 |
| 234 | CoCoALib | | High | Update/Improve geobucket documentation | Anna Maria Bigatti | 03 Apr 2014 11:51 | Documentation | 100 |
| 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 |
| 160 | CoCoALib | | Normal | Cleanup doc for rings | Anna Maria Bigatti | 28 May 2012 14:11 | Documentation | 100 |
| 86 | CoCoALib | | Normal | Clean up DivMask and doc | Anna Maria Bigatti | 06 Feb 2012 19:33 | Documentation | 100 |
| 70 | CoCoALib | | Normal | Index page for html documentation | Anna Maria Bigatti | 04 Jul 2012 10:50 | Documentation | 100 |
| 68 | CoCoALib | | Normal | cleanup doc for matrix, MatrixViews, *Matrix*,.... | Anna Maria Bigatti | 31 Jul 2014 16:56 | Documentation | 100 |
| 65 | CoCoALib | Feature #68: cleanup doc for matrix, MatrixViews, *Matrix*,.... | Normal | matrix - MatrixView | Anna Maria Bigatti | 04 Jul 2012 10:49 | Documentation | 100 |
| 63 | CoCoALib | | Normal | Add links to examples in documentation | Anna Maria Bigatti | 30 May 2012 13:40 | Documentation | 100 |
| 29 | CoCoALib | | Normal | CoCoA website: update web page for CoCoALib-0.9950 | Anna Maria Bigatti | 02 Apr 2014 15:39 | Documentation | 100 |
| 26 | CoCoALib | | High | Redmine Administration | Anna Maria Bigatti | 23 Feb 2024 10:59 | Documentation | 80 |
| 1796 | CoCoALib | | Normal | myFinalizeGBasis ("Final clean up") should be more flexible | Anna Maria Bigatti | 22 Mar 2024 16:19 | Improving | 30 |
| 1789 | CoCoALib | | Urgent | GradingMat with negative weights should complain (or deal with them properly!!) | Anna Maria Bigatti | 18 Mar 2024 16:15 | Improving | 100 |
| 1786 | CoCoALib | | Normal | Add new function for IsInRadical for monomial ideals? (RadicalMembership) | Anna Maria Bigatti | 01 Mar 2024 18:37 | Improving | 10 |
| 1742 | CoCoALib | | Normal | MinGens could be faster | Anna Maria Bigatti | 18 May 2023 13:44 | Improving | 10 |
| 1739 | CoCoALib | | Normal | IsHomog for ideals | Anna Maria Bigatti | 01 Mar 2024 14:57 | Improving | 100 |
| 1737 | CoCoALib | | Normal | Homogenization of an ideal with ZZ^1-grading | Anna Maria Bigatti | 01 Feb 2024 19:59 | Improving | 20 |
| 1721 | CoCoALib | | Normal | Verbose messages: print level? | Anna Maria Bigatti | 12 Apr 2023 14:56 | Improving | 100 |
| 1598 | CoCoALib | | Normal | RingHom: implement phi(X) as apply(phi, X) also for X vector and matrix | Anna Maria Bigatti | 18 Feb 2022 15:24 | Improving | 100 |
| 1589 | CoCoALib | | Normal | IdealOfPoints: allow matrix of points to be defined over "wrong" ring | Anna Maria Bigatti | 04 Feb 2022 22:07 | Improving | 100 |
| 1434 | CoCoALib | | Normal | GBasisByHomog for DegLex | Anna Maria Bigatti | 06 Mar 2020 17:41 | Improving | 100 |
| 1423 | CoCoALib | | Normal | Radical 0-dim NYI? missing case for GBasisByHomog | Anna Maria Bigatti | 25 Sep 2020 16:58 | Improving | 100 |
| 1417 | CoCoALib | | Normal | RadicalZeroDim with extra parameter for GBasis timeout | Anna Maria Bigatti | 16 Mar 2024 21:42 | Improving | 20 |
| 1394 | CoCoALib | | Low | Oddly slow GBasis computation (slow final cleanup) | Anna Maria Bigatti | 16 Apr 2024 22:46 | Improving | 70 |
| 1391 | CoCoALib | | Normal | RingElems: syntax with [and] ? | Anna Maria Bigatti | 08 Jan 2021 13:03 | Improving | 100 |

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| 1347 | CoCoALib | | Normal | New function: ctor of PPVector with vector<RingElem> | Anna Maria Bigatti | 29 Oct 2019 19:44 | Improving | 100 |
| 1337 | CoCoALib | | Normal | PrimaryDecomposition: a interesting/pathological example | Anna Maria Bigatti | 08 Mar 2023 21:13 | Improving | 10 |
| 1330 | CoCoALib | | Normal | New syntax for NewQuotientRing | Anna Maria Bigatti | 15 Oct 2019 17:52 | Improving | 100 |
| 1329 | CoCoALib | | Normal | New syntax for creating homomorphisms (PolyAlgebraHom) | Anna Maria Bigatti | 09 Nov 2020 10:03 | Improving | 100 |
| 1250 | CoCoALib | | Urgent | SEGV: CoCoALib with Normalize in multithreading | Anna Maria Bigatti | 10 Oct 2019 19:12 | Improving | 100 |
| 1249 | CoCoALib | | Normal | principal ideal has a Gbasis | Anna Maria Bigatti | 10 Oct 2019 19:12 | Improving | 100 |
| 1238 | CoCoALib | | Urgent | ReadExpr is too slow on long lists of monomial with many indets: ---> use RingElems instead | Anna Maria Bigatti | 12 Feb 2020 09:44 | Improving | 100 |
| 1205 | CoCoALib | | Urgent | SyzOfGens: bug with zero generators | Anna Maria Bigatti | 03 Aug 2018 18:09 | Improving | 100 |
| 1203 | CoCoALib | | Normal | factor over algebraic extensions | Anna Maria Bigatti | 31 Jul 2018 13:13 | Improving | 100 |
| 1165 | CoCoALib | | Normal | MinPoly over QQ: verification may be very slow | Anna Maria Bigatti | 03 Aug 2018 17:37 | Improving | 100 |
| 1105 | CoCoALib | | Normal | Primary Decompositon (zero-dim) slow cases | Anna Maria Bigatti | 10 Oct 2019 19:20 | Improving | 100 |
| 1103 | CoCoALib | | Normal | Pseudo-zero-dim ideals | Anna Maria Bigatti | 05 Nov 2021 16:09 | Improving | 30 |
| 1088 | CoCoALib | | Normal | MinPolyQuot: runs out of primes | Anna Maria Bigatti | 08 Nov 2017 14:39 | Improving | 100 |
| 1070 | CoCoALib | | Normal | Slug: MakeTermOrd (rk calls in RemoveRedundantRows) | Anna Maria Bigatti | 17 May 2017 13:47 | Improving | 10 |
| 1064 | CoCoALib | | Normal | Bug in MinPolyModular (ugly prime) | Anna Maria Bigatti | 10 Nov 2017 12:16 | Improving | 100 |
| 1057 | CoCoALib | | High | Slug: Polynomial ring constructor slow with (big) matrix ordering | Anna Maria Bigatti | 22 Mar 2024 09:31 | Improving | 50 |
| 1052 | CoCoALib | | Normal | ReadExpr(P, string) and RingElem(P, string) in CoCoALib | Anna Maria Bigatti | 10 Nov 2017 12:34 | Improving | 100 |
| 1016 | CoCoALib | | Normal | ReducedGBasis for RingWeyl (and other non-commutative rings) | Anna Maria Bigatti | 28 Apr 2017 16:05 | Improving | 100 |
| 1009 | CoCoALib | | Normal | coefficients for MinPoly e Frobenius | Anna Maria Bigatti | 03 Aug 2018 17:16 | Improving | 100 |
| 967 | CoCoALib | | Normal | Improve saturate | Anna Maria Bigatti | 22 Mar 2024 10:18 | Improving | 70 |
| 931 | CoCoALib | | Normal | GBasis verbose mode | Anna Maria Bigatti | 29 Apr 2017 08:36 | Improving | 100 |
| 908 | CoCoALib | | High | Sum of ideals: what are the generators of $(x) + (0)$? | Anna Maria Bigatti | 08 Mar 2024 14:34 | Improving | 100 |
| 786 | CoCoALib | | Normal | MemPool: review min and max loaf sizes | Anna Maria Bigatti | 16 Sep 2021 13:38 | Improving | 100 |
| 780 | CoCoALib | | Normal | GroebnerFan/ExternalLib-GFan: improve package | Anna Maria Bigatti | 21 Apr 2017 11:06 | Improving | 20 |
| 777 | CoCoALib | | Normal | SLUG: elimination | Anna Maria Bigatti | 22 Mar 2024 18:12 | Improving | 10 |
| 764 | CoCoALib | | Normal | ExternalLib: simplify configuration | Anna Maria Bigatti | 03 Aug 2018 17:33 | Improving | 100 |
| 736 | CoCoALib | | Normal | QuotientRing: is it correct to prohibit quotient by ideal(1)? | Anna Maria Bigatti | 27 Jan 2020 17:43 | Improving | 100 |
| 730 | CoCoALib | | Normal | Stats in GBMill (GReductor) | Anna Maria Bigatti | 20 Nov 2017 16:12 | Improving | 100 |
| 718 | CoCoALib | | Normal | Insert calls to CheckForInterrupt | Anna Maria Bigatti | 22 Apr 2024 21:35 | Improving | 100 |
| 705 | CoCoALib | | Normal | DetDirect calls myAddMul with 0 argument -- funny compilation problem?? | Anna Maria Bigatti | 26 Jun 2015 16:15 | Improving | 100 |
| 598 | CoCoALib | | Normal | Syzygy for modules: non-homogeneous module | Anna Maria Bigatti | 27 Mar 2024 17:31 | Improving | 40 |
| 24 | CoCoALib | | Normal | object files collected in one directory | Anna Maria Bigatti | 14 Oct 2020 15:35 | Makefile | 100 |

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|------|----------|-------------|----------|--|--------------------|-------------------|--------------|--------|
| 1740 | CoCoALib | | High | MinGens gives non minimal gens *if some deg=0* | Anna Maria Bigatti | 22 Mar 2024 18:04 | Maths Bugs | 30 |
| 1729 | CoCoALib | | Urgent | Bug HilbertPoly of zero-dimensional ideals | Anna Maria Bigatti | 12 Apr 2023 14:45 | Maths Bugs | 100 |
| 1571 | CoCoALib | | Normal | ker_H needs care | Anna Maria Bigatti | 16 Feb 2024 17:49 | Maths Bugs | 10 |
| 1484 | CoCoALib | | Normal | ker bug (quotientinghom for R/ideal()) | Anna Maria Bigatti | 16 Sep 2021 13:33 | Maths Bugs | 100 |
| 1416 | CoCoALib | | Normal | IdealOfProjectivePoints and MinGens | Anna Maria Bigatti | 04 Mar 2020 14:19 | Maths Bugs | 100 |
| 1379 | CoCoALib | | High | Fails to recognize zero-dim ideal | Anna Maria Bigatti | 10 Jan 2020 12:17 | Maths Bugs | 100 |
| 1248 | CoCoALib | | High | MinPolyQuot: guaranteed and ideal without GBasis | Anna Maria Bigatti | 31 Oct 2019 15:55 | Maths Bugs | 100 |
| 1211 | CoCoALib | | High | HilbertSeries should check grading | Anna Maria Bigatti | 03 Oct 2019 10:37 | Maths Bugs | 100 |
| 1206 | CoCoALib | | Normal | syz, SyzOfGens: which shifts for zero? | Anna Maria Bigatti | 28 Mar 2024 10:15 | Maths Bugs | 100 |
| 1199 | CoCoALib | | Normal | GCD bug with high degree arg | Anna Maria Bigatti | 03 Aug 2018 15:47 | Maths Bugs | 100 |
| 1101 | CoCoALib | | High | Bug in MinPolyModular (insufficient rational reconstruction) | Anna Maria Bigatti | 15 Dec 2017 16:42 | Maths Bugs | 100 |
| 1081 | CoCoALib | | Normal | ideal() * RingElem gives error | Anna Maria Bigatti | 08 Nov 2017 17:03 | Maths Bugs | 100 |
| 577 | CoCoALib | | High | Hilbert crashes with > 100 indeterminates | Anna Maria Bigatti | 31 Jul 2014 16:57 | Maths Bugs | 100 |
| 510 | CoCoALib | | Normal | SyzOfGens (CoCoALib): fix shifts | Anna Maria Bigatti | 17 Apr 2014 16:36 | Maths Bugs | 100 |
| 355 | CoCoALib | | Urgent | Colon of zero ideal fails (zero-divisors) | Anna Maria Bigatti | 30 Oct 2013 10:52 | Maths Bugs | 100 |
| 85 | CoCoALib | | High | QuotientRing problem | Anna Maria Bigatti | 05 Jul 2012 10:11 | Maths Bugs | 100 |
| 36 | CoCoALib | | Urgent | Saturation | Anna Maria Bigatti | 05 Dec 2011 18:27 | Maths Bugs | 100 |
| 1808 | CoCoALib | | Normal | New constructor for PolyRing with elimination ordering | Anna Maria Bigatti | 28 Mar 2024 07:35 | New Function | 10 |
| 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 |
| 1763 | CoCoALib | | Normal | implement ideal(R) for zero ideal, with no generators? | Anna Maria Bigatti | 16 Feb 2024 18:01 | New Function | 100 |
| 1743 | CoCoALib | | Normal | Implement Truncated GBases for homogeneous input | Anna Maria Bigatti | 19 May 2023 15:42 | New Function | 0 |
| 1619 | CoCoALib | | Normal | Make saturate available in CoCoALib | Anna Maria Bigatti | 22 Mar 2024 10:14 | New Function | 100 |
| 1441 | CoCoALib | | Normal | GFan: port CoCoA_5 functions into CoCoALib | Anna Maria Bigatti | 16 Feb 2024 17:54 | New Function | 0 |
| 1433 | CoCoALib | | Normal | HilbertDriven Buchberger Algorithm | Anna Maria Bigatti | 16 Feb 2024 18:02 | New Function | 0 |
| 1427 | CoCoALib | | Normal | New function: LawrenceMat | Anna Maria Bigatti | 06 Mar 2020 16:35 | New Function | 100 |
| 1332 | CoCoALib | | Normal | New function: vector of RingElem from string -- in CoCoALib | Anna Maria Bigatti | 29 Oct 2019 16:21 | New Function | 100 |
| 1254 | CoCoALib | | Normal | New function: MinPoly for pseudo-zero-dimensional ideals | Anna Maria Bigatti | 07 Mar 2024 20:25 | New Function | 0 |
| 1251 | CoCoALib | | Normal | New function: radical for monomial ideal | Anna Maria Bigatti | 15 Oct 2019 15:29 | New Function | 100 |
| 1235 | CoCoALib | | Normal | FreeModule: get canonical basis | Anna Maria Bigatti | 14 Feb 2022 18:25 | New Function | 100 |
| 1212 | CoCoALib | | Normal | New function: GBasisByHomog | Anna Maria Bigatti | 22 Mar 2024 14:32 | New Function | 100 |
| 1209 | CoCoALib | | High | New function: HasPositiveGrading | Anna Maria Bigatti | 03 Oct 2019 10:43 | New Function | 100 |
| 1178 | CoCoALib | | Normal | New function: myPrimaryDecomposition_0dim | Anna Maria Bigatti | 03 Aug 2018 17:41 | New Function | 100 |

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|------|----------|-------------|-----------|---|--------------------|-------------------|--------------|--------|
| 1169 | CoCoALib | | Normal | New function: RandomLinearForm (CoCoALib) | Anna Maria Bigatti | 02 Aug 2018 16:59 | New Function | 100 |
| 1158 | CoCoALib | | Normal | New function: MinPolyQuotHeuristic --> MinPolyQuot with VerificationLevel | Anna Maria Bigatti | 02 Aug 2018 16:42 | New Function | 100 |
| 1132 | CoCoALib | | Normal | Canonical homomorphism for (some) polynomial rings? | Anna Maria Bigatti | 08 Mar 2024 18:01 | New Function | 0 |
| 1126 | CoCoALib | | Normal | New function: SubmoduleOfMinGens | Anna Maria Bigatti | 02 Aug 2018 16:20 | New Function | 100 |
| 1094 | CoCoALib | | Normal | Revive code for SelfSaturating GBasis | Anna Maria Bigatti | 22 Mar 2024 14:38 | New Function | 50 |
| 1090 | CoCoALib | | Normal | ExternalLib-MathSAT: first prototype | Anna Maria Bigatti | 19 Dec 2017 07:50 | New Function | 100 |
| 1053 | CoCoALib | | Normal | New function: IdealOfGBasis, IdealOfMinGens in CoCoALib | Anna Maria Bigatti | 20 Nov 2017 16:07 | New Function | 100 |
| 961 | CoCoALib | | Normal | New function: ReducedGBasis | Anna Maria Bigatti | 21 Apr 2017 17:08 | New Function | 100 |
| 958 | CoCoALib | | Normal | New function: multiplicity and dim | Anna Maria Bigatti | 08 Mar 2024 18:15 | New Function | 80 |
| 957 | CoCoALib | | Normal | New function: HasGBasis | Anna Maria Bigatti | 29 Apr 2017 08:32 | New Function | 100 |
| 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 |
| 913 | CoCoALib | | Normal | Read input from SymbolicData database | Anna Maria Bigatti | 02 Aug 2016 10:55 | New Function | 0 |
| 901 | CoCoALib | | Normal | New function: PrimaryDecomposition0 in CoCoALib | Anna Maria Bigatti | 03 Aug 2018 17:40 | New Function | 100 |
| 900 | CoCoALib | | Normal | New function: MinPoly of RingElem in quotient ring | Anna Maria Bigatti | 03 Aug 2018 17:31 | New Function | 100 |
| 899 | CoCoALib | | High | IsMaximal, IsPrimary for IDEAL (in cocoalib) | Anna Maria Bigatti | 25 Nov 2017 10:40 | New Function | 100 |
| 898 | CoCoALib | | High | New function: cardinality of finite field? | Anna Maria Bigatti | 08 Mar 2024 17:45 | New Function | 20 |
| 848 | CoCoALib | | Normal | Implement MinPoly in CoCoALib | Anna Maria Bigatti | 22 Mar 2016 18:02 | New Function | 100 |
| 813 | CoCoALib | | Immediate | Implement "elim" in CoCoALib | Anna Maria Bigatti | 18 Mar 2024 15:58 | New Function | 90 |
| 762 | CoCoALib | | Normal | ExternalLib-GFan: first prototype | Anna Maria Bigatti | 24 Mar 2016 08:04 | New Function | 100 |
| 735 | CoCoALib | | Normal | Convert a PPMonoidElem to RingElem with coefficient one | Anna Maria Bigatti | 22 Mar 2016 17:59 | New Function | 100 |
| 703 | CoCoALib | | Normal | Add more operations between modules (CoCoALib) | Anna Maria Bigatti | 27 Oct 2017 11:53 | New Function | 10 |
| 623 | CoCoALib | | Normal | Inverse of a matrix over ZZ | Anna Maria Bigatti | 11 May 2015 17:54 | New Function | 100 |
| 589 | CoCoALib | | Normal | Implement gin (generic initial ideal) in cocoalib | Anna Maria Bigatti | 15 Jul 2014 18:17 | New Function | 0 |
| 520 | CoCoALib | | High | Compute inverse in quotient ring (i.e. division in algebraic extrn) | Anna Maria Bigatti | 01 Jul 2015 18:40 | New Function | 100 |
| 496 | CoCoALib | | Normal | ideal: minimize or minimalized? | Anna Maria Bigatti | 01 Apr 2014 18:52 | New Function | 100 |
| 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 |
| 373 | CoCoALib | | Normal | add DeleteCol, DeleteRow | Anna Maria Bigatti | 17 Apr 2014 09:51 | New Function | 100 |
| 366 | CoCoALib | | High | function (CoCoALib) for minimal generators (like old Minimalize) | Anna Maria Bigatti | 03 Apr 2014 11:52 | New Function | 100 |

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| 357 | CoCoALib | | Normal | Constructor for vectors? CoCoAVector | Anna Maria Bigatti | 12 Feb 2020 14:43 | New Function | 100 |
| 356 | CoCoALib | | Normal | IsZeroDivisor | Anna Maria Bigatti | 17 Apr 2014 09:23 | New Function | 100 |
| 349 | CoCoALib | | Urgent | IdealOfPoints: gens are actually a GBasis | Anna Maria Bigatti | 29 Oct 2013 13:39 | New Function | 100 |
| 335 | CoCoALib | | Urgent | Equality of (sub)modules | Anna Maria Bigatti | 29 Oct 2013 13:33 | New Function | 100 |
| 313 | CoCoALib | | High | Elim(vector<long>) as PPOrderingCtor | Anna Maria Bigatti | 22 Mar 2024 18:17 | New Function | 30 |
| 312 | CoCoALib | | Normal | LongRange(a,b) returning vector of long a..b (included) | Anna Maria Bigatti | 03 Apr 2014 11:38 | New Function | 100 |
| 304 | CoCoALib | | High | Module ordering and grading (and shifts) | Anna Maria Bigatti | 31 Jul 2014 15:01 | New Function | 100 |
| 248 | CoCoALib | | Normal | IsDivisible for RingElem with nice interface | Anna Maria Bigatti | 01 Apr 2014 19:13 | New Function | 100 |
| 241 | CoCoALib | | Normal | AreMonomials | Anna Maria Bigatti | 01 Oct 2012 18:26 | New Function | 100 |
| 236 | CoCoALib | | Normal | Add homog (homogenized) for ideal | Anna Maria Bigatti | 23 May 2013 08:26 | New Function | 100 |
| 224 | CoCoALib | | Normal | Leading form | Anna Maria Bigatti | 27 Jan 2014 14:59 | New Function | 100 |
| 223 | CoCoALib | | Normal | Automatic mapping of RingElems | Anna Maria Bigatti | 10 Jul 2014 13:38 | New Function | 100 |
| 219 | CoCoALib | | Normal | myDeriv for RingDenseUPolyClean still missing | Anna Maria Bigatti | 02 Apr 2014 08:49 | New Function | 100 |
| 215 | CoCoALib | | Normal | Janet Bases: check and include code in CoCoALib (first prototype) | Anna Maria Bigatti | 24 Mar 2016 11:50 | New Function | 100 |
| 209 | CoCoALib | | High | ReadExpr: input polynomials in CoCoALib | Anna Maria Bigatti | 27 Aug 2014 18:38 | New Function | 100 |
| 203 | CoCoALib | | High | Function to get the Hilbert Polynomial ring from GlobalManager | Anna Maria Bigatti | 03 Apr 2014 11:52 | New Function | 100 |
| 116 | CoCoALib | | Urgent | ordering matrices with rational coefficients | Anna Maria Bigatti | 02 Apr 2012 15:22 | New Function | 100 |
| 30 | CoCoALib | | High | SwapRows, Cols | Anna Maria Bigatti | 05 Jul 2012 10:40 | New Function | 100 |
| 887 | CoCoALib | | Normal | My first compilations with clang | Anna Maria Bigatti | 16 Jan 2018 11:37 | Portability | 100 |
| 765 | CoCoALib | | Normal | ExternalLib-CDD: (needed by GFan) | Anna Maria Bigatti | 11 Sep 2019 13:47 | Portability | 10 |
| 618 | CoCoALib | | High | Instructions for compiling libnormaliz | Anna Maria Bigatti | 14 Feb 2022 18:22 | Portability | 100 |
| 1336 | CoCoALib | | Normal | Rename SparsePolyOps-MonomialIdeal into SparsePolyOps-IdealMonomial? | Anna Maria Bigatti | 15 Oct 2019 17:33 | Renaming | 100 |
| 1163 | CoCoALib | | Normal | Split SparsePolyRing.C in smaller files | Anna Maria Bigatti | 02 Aug 2018 17:04 | Renaming | 100 |
| 854 | CoCoALib | | Normal | Function MakeTermOrd should be renamed MakeTermOrdMat? | Anna Maria Bigatti | 28 Mar 2024 16:25 | Renaming | 100 |
| 310 | CoCoALib | | Normal | ordering and grading (weights) matrix | Anna Maria Bigatti | 31 Jul 2014 17:50 | Renaming | 100 |
| 28 | CoCoALib | | Normal | rename RingQ, RingZ --> RingQQ, RingZZ | Anna Maria Bigatti | 10 Feb 2012 18:41 | Renaming | 100 |
| 21 | CoCoALib | | Normal | Rename NumTheory and NumTheoryQQ | Anna Maria Bigatti | 13 Jul 2012 15:28 | Renaming | 100 |
| 1 | CoCoALib | | Normal | MachineInteger --> MachineInt | Anna Maria Bigatti | 09 Nov 2011 17:40 | Renaming | 100 |
| 1575 | CoCoALib | | Normal | DynamicBitset missing arg checks | Anna Maria Bigatti | 16 Feb 2024 09:46 | Safety | 0 |
| 1409 | CoCoALib | | Normal | myTestIsPrimary & Co. : fix design | Anna Maria Bigatti | 30 Apr 2020 14:20 | Safety | 100 |
| 1345 | CoCoALib | | High | Problem with linking the library | Anna Maria Bigatti | 19 Oct 2019 20:28 | Safety | 100 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|--|--------------------|-------------------|----------|--------|
| 1083 | CoCoALib | | Normal | MinPolyQuot: check input (was: MinPolyQuot gives "bad characteristic" error) | Anna Maria Bigatti | 15 Dec 2017 16:39 | Safety | 100 |
| 935 | CoCoALib | | High | ElimMat, ElimHomogMat: complain about zero or negative weights | Anna Maria Bigatti | 13 Feb 2020 10:30 | Safety | 100 |
| 707 | CoCoALib | | Normal | MatrixOrderingMod32749Impl: test and write documentation! | Anna Maria Bigatti | 25 Apr 2024 21:46 | Safety | 50 |
| 351 | CoCoALib | | Normal | Problems with DenseMatImpl::myResize | Anna Maria Bigatti | 17 Apr 2014 08:24 | Safety | 100 |
| 298 | CoCoALib | | High | Valgrind: keep CoCoALib at 0 memory leaks | Anna Maria Bigatti | 01 Aug 2014 08:21 | Safety | 100 |
| 178 | CoCoALib | | Normal | IsHomog: should it throw an error when there is no grading? | Anna Maria Bigatti | 29 Oct 2013 14:25 | Safety | 90 |
| 1782 | CoCoALib | | Normal | Make CoCoALib test file for radical | Anna Maria Bigatti | 01 Mar 2024 09:44 | 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 |
| 1649 | CoCoALib | | Normal | Add file SparsePolyOps-vector.C | Anna Maria Bigatti | 25 Mar 2024 17:49 | Tidying | 100 |
| 1326 | CoCoALib | | Normal | Modify function myElim so that it returns ideal? (not quite) | Anna Maria Bigatti | 18 Mar 2024 16:03 | Tidying | 100 |
| 1179 | CoCoALib | | Normal | Clean up SparsePolyOps-MonomialIdeals | Anna Maria Bigatti | 22 Mar 2024 09:33 | Tidying | 20 |
| 944 | CoCoALib | | High | Release: CoCoALib-0.99550 (together with CoCoA-5.2.0) | Anna Maria Bigatti | 08 May 2017 11:54 | Tidying | 100 |
| 849 | CoCoALib | | Normal | Cleanup MinPoly code | Anna Maria Bigatti | 08 Mar 2024 18:15 | 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 |
| 822 | CoCoALib | | High | Should ElimMat return a ConstMatrix | Anna Maria Bigatti | 28 Apr 2017 15:16 | Tidying | 100 |
| 819 | CoCoALib | | Normal | GradingMat: does anyone need it? | Anna Maria Bigatti | 24 Mar 2016 11:58 | Tidying | 100 |
| 809 | CoCoALib | | Normal | FastCmp for degree -- useful? | Anna Maria Bigatti | 27 Nov 2015 16:06 | Tidying | 0 |
| 791 | CoCoALib | | Normal | Clean code for DistrMPolyClean | Anna Maria Bigatti | 02 Nov 2015 22:13 | Tidying | 0 |
| 754 | CoCoALib | | High | Release: CoCoALib-0.99538 (together with CoCoA-5.1.2) | Anna Maria Bigatti | 08 Oct 2015 14:47 | Tidying | 100 |
| 686 | CoCoALib | | Normal | myAddMul in poly rings | Anna Maria Bigatti | 20 Apr 2015 13:22 | Tidying | 20 |
| 641 | CoCoALib | | Normal | Clean test-FreeModule1 | Anna Maria Bigatti | 26 Jun 2015 16:58 | Tidying | 100 |
| 621 | CoCoALib | | High | Release: CoCoALib-0.99536 | Anna Maria Bigatti | 08 Oct 2015 14:48 | Tidying | 100 |
| 604 | CoCoALib | | Normal | Release: CoCoALib-0.99535 | Anna Maria Bigatti | 11 May 2015 14:07 | Tidying | 50 |
| 599 | CoCoALib | | Normal | Release: CoCoALib-0.99534 | Anna Maria Bigatti | 11 Sep 2014 16:37 | Tidying | 100 |
| 528 | CoCoALib | | Normal | Release: CoCoALib-0.99533 | Anna Maria Bigatti | 30 Jul 2014 10:56 | Tidying | 100 |
| 316 | CoCoALib | | Normal | submodule constructor different from ideal | Anna Maria Bigatti | 10 Jul 2014 16:21 | Tidying | 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 |
| 1779 | CoCoALib | | Normal | Radical error with lex (again) | Anna Maria Bigatti | 23 Feb 2024 12:28 | Various | 100 |
| 1711 | CoCoALib | | Normal | Development releases? | Anna Maria Bigatti | 09 Mar 2023 20:56 | Various | 90 |
| 1687 | CoCoALib | | Normal | Release CoCoALib 0.99850 | Anna Maria Bigatti | 29 Mar 2024 10:42 | Various | 50 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|--|--------------------|-------------------|----------|--------|
| 1592 | CoCoALib | | High | Normaliz 3.8.10 | Anna Maria Bigatti | 28 Jan 2022 17:34 | Various | 100 |
| 1481 | CoCoALib | | Normal | Release CoCoALib 0.99800 | Anna Maria Bigatti | 30 Nov 2022 18:31 | Various | 100 |
| 1452 | CoCoALib | | High | Release CoCoALib-0.99710 | Anna Maria Bigatti | 09 Oct 2020 14:16 | Various | 100 |
| 1338 | CoCoALib | | Normal | Release CoCoALib-0.99700 | Anna Maria Bigatti | 20 May 2020 13:30 | Various | 100 |
| 1177 | CoCoALib | | Normal | File names: use "SparsePolyOps" prefix for pertinent files | Anna Maria Bigatti | 03 Aug 2018 16:18 | Various | 100 |
| 1149 | CoCoALib | | Normal | Release: CoCoALib-0.99600 (together with CoCoA-5.2.4) | Anna Maria Bigatti | 09 Aug 2018 10:36 | Various | 100 |
| 1056 | CoCoALib | | Normal | Release: CoCoALib-0.99560 (together with CoCoA-5.2.2) | Anna Maria Bigatti | 17 Jan 2018 12:09 | Various | 100 |