

CoCoALib - Issues

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|-----|----------|-------------|----------|---|--------------------|-------------------|-----------------|--------|
| 263 | CoCoALib | | High | Move the various <code><matrix>::mySetEntry</code> procedures into <code>MatrixBase</code> | | 01 Aug 2014 16:29 | Tidying | 0 |
| 272 | CoCoALib | | Normal | Forward declarations | | 07 Apr 2014 18:14 | Tidying | 0 |
| 297 | CoCoALib | | Normal | Modules design: brainstorming | | 31 Jul 2014 14:55 | New Function | 30 |
| 305 | CoCoALib | | Normal | <code>FreeModule</code> : unique copy? | | 10 Dec 2023 20:43 | Tidying | 10 |
| 308 | CoCoALib | | High | Error: <code>ERR::NotNonZero</code> instead of <code>ERR::ZeroRingElem</code> ? | | 27 Mar 2024 17:37 | Renaming | 40 |
| 316 | CoCoALib | | Normal | submodule constructor different from ideal | Anna Maria Bigatti | 10 Jul 2014 16:21 | Tidying | 0 |
| 360 | CoCoALib | | Normal | <code>CoCoAServer</code> : what future, what issues? | | 28 Apr 2017 11:19 | Various | 0 |
| 396 | CoCoALib | | Normal | <code>PPMonoidElemAlias</code> : redesign <code>PPMonoidElem</code> the same way as <code>RingElem</code> ? | John Abbott | 13 May 2015 09:57 | Data Structures | 0 |
| 427 | CoCoALib | | Normal | Error names and error messages (current design) | | 11 May 2017 10:57 | Data Structures | 10 |
| 432 | CoCoALib | | Normal | Semantics of <code>IsPrintedWithMinus</code> | | 14 Jul 2014 18:13 | Various | 10 |
| 455 | CoCoALib | | Normal | Which sets of generators in an ideal? | | 14 Jul 2014 15:17 | Various | 0 |
| 513 | CoCoALib | | High | Quick/correct flag for <code>bool3 fns</code> | | 10 Jul 2014 16:30 | New Function | 10 |
| 550 | CoCoALib | | Normal | add <code>myResolution</code> member field to ideal and (sub)module | | 13 May 2015 09:57 | Data Structures | 0 |
| 551 | CoCoALib | | Normal | Reconsider overloaded virtual mem fns | | 09 Jul 2014 18:00 | Safety | 0 |
| 572 | CoCoALib | | Normal | Split <code>SparsePolyRing.H</code> into two files? Problem with circular includes. | | 17 May 2018 16:36 | Tidying | 0 |
| 582 | CoCoALib | | Normal | Error codes: use same code for "not poly ring" and "not elem poly ring" | | 26 Mar 2024 14:36 | Tidying | 30 |
| 601 | CoCoALib | | Normal | <code>LongRange</code> : in which file should it be declared/defined? | | 08 Mar 2023 20:45 | Tidying | 10 |
| 620 | CoCoALib | | Normal | Redesign <code>CRTMill</code> | John Abbott | 21 Mar 2016 14:30 | New Function | 20 |
| 647 | CoCoALib | | Normal | Unique copies of free modules? | | 10 Nov 2014 16:55 | Safety | 0 |
| 686 | CoCoALib | | Normal | <code>myAddMul</code> in poly rings | Anna Maria Bigatti | 20 Apr 2015 13:22 | Tidying | 20 |
| 703 | CoCoALib | | Normal | Add more operations between modules (CoCoALib) | Anna Maria Bigatti | 27 Oct 2017 11:53 | New Function | 10 |
| 707 | CoCoALib | | Normal | <code>MatrixOrderingMod32749Impl</code> : test and write documentation! | Anna Maria Bigatti | 25 Apr 2024 21:46 | Safety | 50 |
| 710 | CoCoALib | | Normal | Update <code>normaliz</code> interface? | | 16 Feb 2024 18:25 | Improving | 10 |
| 752 | CoCoALib | | Normal | Investigate using <code>Boost.build</code> instead of <code>make</code> | John Abbott | 28 Apr 2017 11:23 | Portability | 0 |
| 763 | CoCoALib | | Normal | <code>GlobalManager</code> : initialization compatible with initialization of external libs | | 21 Mar 2016 16:55 | Portability | 10 |
| 769 | CoCoALib | | Normal | CoCoALib cone | | 27 Jan 2020 15:32 | Data Structures | 10 |
| 778 | CoCoALib | | Normal | <code>CRTMill::myAddInfo</code> accept modulus 1 or not? | | 21 Mar 2016 15:16 | Tidying | 0 |
| 785 | CoCoALib | | Normal | finite fields: global register of fields already created? | | 15 Oct 2015 17:27 | Improving | 0 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|---|--------------------|-------------------|-----------------|--------|
| 787 | CoCoALib | | Normal | Remove refcounts from RingElem? | | 19 Oct 2015 17:08 | Safety | 0 |
| 809 | CoCoALib | | Normal | FastCmp for degree -- useful? | Anna Maria Bigatti | 27 Nov 2015 16:06 | Tidying | 0 |
| 832 | CoCoALib | | Low | Generalize grading matrix | | 14 Mar 2024 11:29 | Data Structures | 20 |
| 841 | CoCoALib | | Normal | NewPolyRing: tidy up the many different versions | | 01 Sep 2017 11:30 | Tidying | 10 |
| 846 | CoCoALib | | Normal | IsIrred: correct design? | John Abbott | 26 Feb 2019 16:32 | Improving | 20 |
| 849 | CoCoALib | | Normal | Cleanup MinPoly code | Anna Maria Bigatti | 08 Mar 2024 18:15 | Tidying | 10 |
| 871 | CoCoALib | | Normal | Redesign ideals | | 31 Oct 2023 11:24 | Data Structures | 0 |
| 894 | CoCoALib | | Normal | strict enum types: C++11 extension | John Abbott | 25 Apr 2024 21:49 | Safety | 30 |
| 906 | CoCoALib | | Normal | External libraries: keep copy of compatible versions? | | 13 Jul 2016 11:19 | Portability | 0 |
| 921 | CoCoALib | | Normal | Design GBMill | | 22 May 2017 14:11 | | 0 |
| 924 | CoCoALib | | Normal | FlagManager for bool/bool3 flags | Anna Maria Bigatti | 16 Feb 2024 17:57 | Data Structures | 50 |
| 925 | CoCoALib | | Normal | MachineInt or long for args which are indices (yet again) | | 16 Apr 2024 22:29 | Safety | 50 |
| 933 | CoCoALib | | Normal | Separate configure scripts for CoCoALib and CoCoA-5 | John Abbott | 23 Jan 2024 21:52 | Portability | 10 |
| 934 | CoCoALib | | Normal | MachineInt: change semantics? | | 22 Apr 2024 21:32 | Safety | 30 |
| 970 | CoCoALib | | Normal | Weights in ElimMat? | | 11 Nov 2016 15:49 | Improving | 10 |
| 1059 | CoCoALib | | Normal | Printing ring for ideals (or just for ideals 0 and 1) | | 05 May 2017 16:58 | Improving | 10 |
| 1098 | CoCoALib | | Normal | Ctors for exceptions/errors | | 06 Sep 2017 15:27 | Tidying | 0 |
| 1125 | CoCoALib | | Normal | Separate install script for CoCoALib? | John Abbott | 23 Jan 2024 21:54 | Tidying | 0 |
| 1147 | CoCoALib | | Normal | mySquare and myPowerSmallExp | | 30 Apr 2019 17:18 | Tidying | 0 |
| 1156 | CoCoALib | | Normal | Printing for RingElem | | 08 Jan 2020 23:02 | Improving | 0 |
| 1168 | CoCoALib | | Normal | ideal: does const ourGetPtr really need to be private? | | 08 Mar 2024 17:26 | Data Structures | 40 |
| 1179 | CoCoALib | | Normal | Clean up SparsePolyOps-MonomialIdeals | Anna Maria Bigatti | 22 Mar 2024 09:33 | Tidying | 20 |
| 1213 | CoCoALib | | Normal | Create PolyOps-RingElem? | | 16 Feb 2024 09:48 | Tidying | 0 |
| 1225 | CoCoALib | | High | Move to C++14 (skipping C++11) | | 08 Mar 2024 17:46 | Portability | 30 |
| 1242 | CoCoALib | | Normal | C++14: Use type auto where appropriate | | 22 Apr 2024 21:08 | Tidying | 40 |
| 1255 | CoCoALib | | Normal | Ideals with trivial GBasis | | 08 Mar 2023 19:49 | Improving | 0 |
| 1266 | CoCoALib | | Normal | Make a poly ring QQ[x,y,z] also contain a ZZ[x,y,z] | | 28 Mar 2019 16:42 | Improving | 0 |
| 1346 | CoCoALib | | Normal | C++14: use the new for loop syntax where appropriate (like cocoa's foreach) | | 22 Apr 2024 21:08 | Improving | 80 |
| 1355 | CoCoALib | | Normal | TmpLDP uses srand and time | | 01 Mar 2024 09:50 | Tidying | 0 |
| 1370 | CoCoALib | | Low | RingID counter increased inside some functions | | 31 Jan 2024 22:19 | Improving | 0 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|--|--------------------|-------------------|-----------------|--------|
| 1378 | CoCoALib | | Normal | Create two separate radical fns (for 0-dim ideals) | | 03 Jul 2023 17:49 | Improving | 0 |
| 1414 | CoCoALib | | High | Make class RingElemVector? | | 25 Apr 2024 21:53 | Data Structures | 20 |
| 1422 | CoCoALib | | Normal | Remove flag lhaveGBasisValue? | Anna Maria Bigatti | 16 Feb 2024 17:56 | Data Structures | 10 |
| 1428 | CoCoALib | | Normal | DenseMatrix: use template impl for ctors from vec-vec? | | 07 Mar 2024 20:49 | Tidying | 0 |
| 1446 | CoCoALib | | Normal | Start using C++14 "move" capability | | 08 Mar 2024 18:00 | Improving | 10 |
| 1464 | CoCoALib | | Normal | What is the difference between InterruptReceived and InterruptedBySignal | | 01 Mar 2024 09:54 | Tidying | 0 |
| 1465 | CoCoALib | | Normal | mul(MAT,MAT,MAT) | | 16 Feb 2024 10:04 | Tidying | 10 |
| 1491 | CoCoALib | | Normal | Unified Gaussian reduction impl | | 08 Mar 2023 19:55 | Tidying | 0 |
| 1562 | CoCoALib | | Normal | matrix.H and MatrixView.H | | 08 Mar 2023 19:56 | Tidying | 0 |
| 1572 | CoCoALib | | Normal | Use noexcept | John Abbott | 23 Apr 2024 21:57 | Improving | 70 |
| 1576 | CoCoALib | | Normal | cmp for machine integers | John Abbott | 21 Jan 2024 20:23 | Improving | 20 |
| 1607 | CoCoALib | | Normal | Coding guidelines | | 16 Feb 2024 10:02 | Documentation | 0 |
| 1628 | CoCoALib | | Normal | Unused variables, params, data members | | 11 Mar 2023 12:29 | Tidying | 10 |
| 1630 | CoCoALib | | Normal | Signal handler not portable? | | 15 Feb 2024 22:42 | Portability | 0 |
| 1632 | CoCoALib | | Normal | C++17: notes about updating | | 12 Nov 2021 18:11 | Portability | 0 |
| 1642 | CoCoALib | | Normal | interreduce: make monic if over finite field? | John Abbott | 16 Feb 2024 20:44 | Improving | 20 |
| 1669 | CoCoALib | | Normal | Review File subtree hierarchy | | 08 Mar 2023 19:56 | Tidying | 0 |
| 1677 | CoCoALib | | Normal | release-source script: use shell globbing? | | 16 Feb 2024 10:01 | Tidying | 10 |
| 1678 | CoCoALib | | Normal | Unsigned long for indexes (& sizes?) | | 07 Mar 2024 20:25 | Safety | 10 |
| 1682 | CoCoALib | | Normal | swap for new classes | | 16 Feb 2024 09:35 | Improving | 10 |
| 1685 | CoCoALib | | Normal | RingBase::mySwap needed? | | 07 Mar 2024 20:49 | Improving | 10 |
| 1691 | CoCoALib | | Normal | Random and threadsafe? | | 15 Feb 2024 22:38 | Safety | 0 |
| 1699 | CoCoALib | | Normal | Shell scripts: Shebang line, etc | | 16 Feb 2024 10:01 | Portability | 10 |
| 1703 | CoCoALib | | Normal | Threadsafty, multithreading: optional fn arg (or separate fn) | John Abbott | 07 Mar 2024 20:04 | Safety | 80 |
| 1704 | CoCoALib | | Normal | Symlink directory for external files needed by CoCoA-5 | Anna Maria Bigatti | 18 Mar 2024 09:29 | Tidying | 0 |
| 1720 | CoCoALib | | Normal | DivAlg in CoCoALib | Anna Maria Bigatti | 25 Mar 2024 17:55 | Tidying | 20 |
| 1727 | CoCoALib | | Normal | Cruft in ExtLibs-Normaliz.C | | 13 Mar 2023 19:01 | Tidying | 0 |
| 1736 | CoCoALib | | Normal | Clean TmpGOperations, and remove Tmp prefix | | 28 Apr 2023 16:01 | Tidying | 0 |
| 1738 | CoCoALib | | Normal | Suggestion about Graded polynomial rings | | 05 May 2023 08:47 | Data Structures | 10 |
| 1744 | CoCoALib | | Normal | Implement GBMill (aka Groebner Framework) | Anna Maria Bigatti | 25 May 2023 14:30 | Data Structures | 10 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|--|-------------|-------------------|-----------------|--------|
| 1750 | CoCoALib | | Normal | IdealOfPoints: allow duplicate points? | John Abbott | 08 Mar 2024 18:23 | Improving | 20 |
| 1767 | CoCoALib | | Normal | Finalize design for ideals in CoCoALib | | 08 Mar 2024 17:26 | Data Structures | 10 |
| 1777 | CoCoALib | | Normal | VerificationLevel: just 3? Low, high, guaranteed? | | 16 Feb 2024 10:00 | Various | 0 |
| 1783 | CoCoALib | | Normal | Code & doc structure: one-big-file or many-small-files? | | 24 Feb 2024 18:34 | Tidying | 10 |
| 1787 | CoCoALib | | Normal | Iterator design: compatible with C++STL? Advancing beyond end? | John Abbott | 23 Apr 2024 22:26 | Tidying | 30 |
| 1792 | CoCoALib | | Normal | CpuTimeOut: arg of type ErrorContext? | | 18 Mar 2024 20:50 | Tidying | 0 |
| 1798 | CoCoALib | | Normal | Computing in sub polyring | | 22 Mar 2024 09:30 | Improving | 0 |
| 1799 | CoCoALib | | Normal | Clean out OLD CODE? | | 24 Mar 2024 10:52 | Tidying | 0 |
| 1800 | CoCoALib | | Normal | Conversion from SmallPrime to UNSIGNED long? | | 15 Apr 2024 10:09 | Tidying | 10 |
| 1801 | CoCoALib | | Normal | BuildInfo | | 13 Apr 2024 22:18 | Tidying | 10 |
| 1802 | CoCoALib | | Normal | Tidying ideal generators (for non-polynomial ideals) | | 25 Mar 2024 19:05 | Improving | 0 |
| 1804 | CoCoALib | | Normal | Use long long (at least sometimes)? | John Abbott | 26 Apr 2024 21:09 | Portability | 80 |
| 1807 | CoCoALib | | Normal | Error codes: "Not..." for "blah must be ..." -- change prefix | | 26 Mar 2024 14:22 | Renaming | 0 |