

CoCoALib - Issues

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|-----------|---|-------------|-------------------|-----------------|--------|
| 6 | CoCoALib | | High | Sort out RingElem, RefRingElem, ConstRefRingElem mess | John Abbott | 01 Aug 2014 08:59 | | 0 |
| 1115 | CoCoALib | | Normal | New class: exterior algebra | John Abbott | 31 Jan 2024 21:59 | Data Structures | 20 |
| 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 |
| 1756 | CoCoALib | | Normal | deg(f) is slow if f is long | John Abbott | 21 Mar 2024 20:40 | Improving | 50 |
| 1750 | CoCoALib | | Normal | IdealOfPoints: allow duplicate points? | John Abbott | 08 Mar 2024 18:23 | Improving | 20 |
| 1733 | CoCoALib | | Low | FactorINT: funny order | John Abbott | 22 Apr 2024 19:51 | Improving | 60 |
| 1705 | CoCoALib | | Normal | ProgressReporter: prepare for new loop? | John Abbott | 25 Apr 2024 21:40 | Improving | 80 |
| 1683 | CoCoALib | | Immediate | IsIrred in ZZ[x,y] | John Abbott | 16 Feb 2024 09:39 | Improving | 0 |
| 1642 | CoCoALib | | Normal | interreduce: make monic if over finite field? | John Abbott | 16 Feb 2024 20:44 | Improving | 20 |
| 1576 | CoCoALib | | Normal | cmp for machine integers | John Abbott | 21 Jan 2024 20:23 | Improving | 20 |
| 1572 | CoCoALib | | Normal | Use noexcept | John Abbott | 23 Apr 2024 21:57 | Improving | 70 |
| 1280 | CoCoALib | | High | Determinant & Inverse of matrix over non integral domain | John Abbott | 21 Jan 2024 19:43 | Improving | 40 |
| 874 | CoCoALib | | Normal | factor: too slow on largish multivariate poly | John Abbott | 26 Feb 2019 16:29 | Improving | 20 |
| 872 | CoCoALib | | Urgent | LinSolve for matrices over FFp | John Abbott | 08 Mar 2024 17:36 | Improving | 30 |
| 846 | CoCoALib | | Normal | IsIrred: correct design? | John Abbott | 26 Feb 2019 16:32 | Improving | 20 |
| 799 | CoCoALib | | Low | vector of "indets" in each PPMonoid? | John Abbott | 11 Nov 2015 13:47 | Improving | 20 |
| 797 | CoCoALib | | Normal | SmallFpImpl: make it faster | John Abbott | 24 Apr 2024 23:04 | Improving | 20 |
| 1233 | CoCoALib | | High | factor SEGV -- too large characteristic | John Abbott | 14 Mar 2023 19:45 | Maths Bugs | 60 |
| 1197 | CoCoALib | | Normal | IsZeroDet: new fn | John Abbott | 08 Mar 2024 17:58 | New Function | 40 |
| 1176 | CoCoALib | | Normal | interval arithmetic | John Abbott | 10 Mar 2023 17:46 | New Function | 50 |
| 828 | CoCoALib | | Normal | MachineInt: function for checking that value is greater than some lower limit (and below MAXLONG) | John Abbott | 15 Apr 2024 10:08 | New Function | 20 |
| 802 | CoCoALib | | Urgent | DivMask: extend interface? | John Abbott | 08 Mar 2024 17:36 | New Function | 50 |
| 665 | CoCoALib | | Normal | Integrate Janet/Pommaret basis code | John Abbott | 12 Jun 2018 18:36 | New Function | 10 |
| 664 | CoCoALib | | Urgent | Impl small non-prime finite fields (using logs) | John Abbott | 14 Mar 2023 19:49 | New Function | 80 |
| 644 | CoCoALib | | Normal | Buchberger-Moeller: add option to stop as soon as 1 poly has been found | John Abbott | 06 Nov 2017 13:58 | New Function | 0 |
| 620 | CoCoALib | | Normal | Redesign CRTMill | John Abbott | 21 Mar 2016 14:30 | New Function | 20 |
| 565 | CoCoALib | | Normal | FloatApprox for TwinFloat values? | John Abbott | 19 Jul 2016 22:44 | New Function | 20 |
| 440 | CoCoALib | | High | Port RealRoots to C++ | John Abbott | 19 Oct 2016 10:26 | New Function | 0 |
| 383 | CoCoALib | | Normal | Resolution/morse: integrate Mario Albert's code into CoCoALib | John Abbott | 31 Jul 2014 14:57 | New Function | 60 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|--|----------|--|-------------|-------------------|--------------|--------|
| 147 | CoCoALib | Feature #143: Buchberger-Moeller (parent task) | Urgent | Buchberger-Moeller: impl via modular reduction | John Abbott | 10 Jul 2014 14:18 | New Function | 20 |
| 145 | CoCoALib | Feature #143: Buchberger-Moeller (parent task) | Urgent | Buchberger-Moeller: fast modular impl | John Abbott | 10 Jul 2014 14:17 | New Function | 0 |
| 143 | CoCoALib | | Urgent | Buchberger-Moeller (parent task) | John Abbott | 10 Jul 2014 14:16 | New Function | 38 |
| 127 | CoCoALib | | Normal | Convert DUPFF code to C++ | John Abbott | 28 Sep 2022 15:04 | New Function | 50 |
| 125 | CoCoALib | | Normal | Matrix equation solving; linear system solving | John Abbott | 18 Mar 2024 10:00 | New Function | 50 |
| 113 | CoCoALib | | Normal | Introduce PartialHom | John Abbott | 09 Jul 2014 18:04 | New Function | 10 |
| 1804 | CoCoALib | | Normal | Use long long (at least sometimes)? | John Abbott | 26 Apr 2024 21:09 | Portability | 80 |
| 933 | CoCoALib | | Normal | Separate configure scripts for CoCoALib and CoCoA-5 | John Abbott | 23 Jan 2024 21:52 | Portability | 10 |
| 752 | CoCoALib | | Normal | Investigate using Boost.build instead of make | John Abbott | 28 Apr 2017 11:23 | Portability | 0 |
| 575 | CoCoALib | | Normal | Investigate using cmake for configuration | John Abbott | 13 Mar 2024 21:19 | Portability | 10 |
| 1703 | CoCoALib | | Normal | Threaddafety, multithreading: optional fn arg (or separate fn) | John Abbott | 07 Mar 2024 20:04 | Safety | 80 |
| 894 | CoCoALib | | Normal | strict enum types: C++11 extension | John Abbott | 25 Apr 2024 21:49 | Safety | 30 |
| 1811 | CoCoALib | | Normal | Check include guards | John Abbott | 22 Apr 2024 20:15 | Tidying | 90 |
| 1787 | CoCoALib | | Normal | Iterator design: compatible with C++STL? Advancing beyond end? | John Abbott | 23 Apr 2024 22:26 | Tidying | 30 |
| 1263 | CoCoALib | | Normal | Tidy CoCoALib test directory | John Abbott | 07 Mar 2023 20:49 | Tidying | 80 |
| 1160 | CoCoALib | | Normal | Clean up revised RatReconstructByContFrac code | John Abbott | 26 Feb 2019 16:33 | Tidying | 0 |
| 1125 | CoCoALib | | Normal | Separate install script for CoCoALib? | John Abbott | 23 Jan 2024 21:54 | Tidying | 0 |
| 818 | CoCoALib | | Normal | F5 with 3 args? | John Abbott | 24 Nov 2015 10:11 | Tidying | 10 |
| 680 | CoCoALib | | Normal | DistrMPolyClean does not use MemPool for summands? | John Abbott | 07 Mar 2023 20:49 | Tidying | 70 |
| 385 | CoCoALib | | Urgent | Design new errors using inheritance | John Abbott | 09 Feb 2024 10:25 | Tidying | 40 |
| 1748 | CoCoALib | | Normal | July 2023 | John Abbott | 08 Mar 2024 08:29 | Various | 0 |
| 1089 | CoCoALib | | Normal | invalid pointer in "free" | John Abbott | 20 Jul 2017 13:06 | Various | 10 |