

CoCoA - 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 |
| 1751 | CoCoA-5 | | Normal | Manual of functions vs ManExamples | Anna Maria Bigatti | 03 Jul 2023 20:54 | | 10 |
| 1654 | CoCoALib | | Normal | New function IsInSymbols | | 12 May 2023 08:03 | | 0 |
| 1620 | CoCoALib | | Normal | MinPolyQuot not documented | | 15 Oct 2021 14:24 | | 0 |
| 1593 | CoCoA-5 | | Normal | CanonicalHom | | 07 May 2021 08:20 | | 0 |
| 1586 | CoCoA-5 | | Normal | Profiling with clang | Anna Maria Bigatti | 02 Apr 2021 09:28 | | 10 |
| 1357 | ApCoCoA | | Normal | How to connect GUI to cocoa5 executable? | | 30 Oct 2019 11:06 | | 0 |
| 1354 | ApCoCoA | | Normal | ApCoCoA: separate window for manual | | 29 Oct 2019 11:30 | | 0 |
| 1343 | ApCoCoA | | Normal | ApCoCoA projects | | 16 Oct 2019 15:10 | | 0 |
| 1342 | ApCoCoA | | Normal | Input tabbed windows associated to files | | 16 Oct 2019 15:08 | | 0 |
| 1340 | ApCoCoA | | Normal | Interactive window and history mechanism | | 16 Oct 2019 14:45 | | 0 |
| 1328 | ApCoCoA | | Normal | New ApCoCoA UI | | 04 Dec 2019 17:15 | | 10 |
| 1304 | CoCoA-5 | | Low | Hermite normal form | | 29 Aug 2019 14:43 | | 0 |
| 1175 | CoCoA-5 | | Normal | intersection | | 05 Apr 2018 09:29 | | 0 |
| 921 | CoCoALib | | Normal | Design GBMill | | 22 May 2017 14:11 | | 0 |
| 919 | CoCoALib | | Normal | Hilbert Driven GBasis | | 22 May 2017 14:11 | | 0 |
| 770 | CoCoA-5 | | Normal | CoCoA type "cone" | | 22 May 2017 14:12 | | 0 |
| 633 | CoCoA-5 | | Normal | New operations? ScalarProduct(MODULELEM,LIST), MATRIX * MODULELEM | | 17 Mar 2017 10:55 | | 0 |
| 453 | CoCoA-5 | | Normal | Automatic conversion from INT (or RAT) to RINGELEM | | 02 Sep 2014 11:15 | | 20 |
| 422 | CoCoA-5 | | Normal | Bug or feature for protected name? (Use command) | | 04 Apr 2014 15:09 | | 0 |
| 421 | CoCoA-5 | | Normal | Allow user to give a name to a ring (in C5) | | 18 Jul 2014 15:05 | | 10 |
| 282 | CoCoALib | | Normal | Global setting: to use IsProbPrime in place of IsPrime | | 01 Aug 2014 08:59 | | 0 |
| 281 | CoCoALib | | Normal | Store unique copy of FF(p) in GlobalManager | | 04 Apr 2014 17:10 | | 0 |
| 277 | CoCoALib | | Normal | Eliminate class RefPPMonoidElem? | | 01 Aug 2014 08:59 | | 0 |
| 258 | CoCoALib | | Normal | Multivariate lifting | | 01 Aug 2014 08:59 | | 0 |
| 257 | CoCoALib | | Normal | Transcribe C4 code for GCD in QQ[x] | | 01 Aug 2014 08:59 | | 0 |
| 230 | CoCoA-5 | | Normal | More curiously slow code -- squaring a polynomial | | 04 Apr 2014 15:10 | | 0 |
| 6 | CoCoALib | | High | Sort out RingElem, RefRingElem, ConstRefRingElem mess | John Abbott | 01 Aug 2014 08:59 | | 0 |

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|------|---------|-------------|----------|---|--------------------|-------------------|------------------------------|--------|
| 1774 | CoCoA | | Normal | Look of first Redmine page linked from CoCoA web page | Anna Maria Bigatti | 12 Jan 2024 13:18 | Administration | 90 |
| 1794 | CoCoA-5 | | Normal | Strange bug: demo-Osaka2015 | | 19 Apr 2024 22:10 | bug | 70 |
| 1781 | CoCoA-5 | | Urgent | GenReprCompute: SERIOUS ERROR | Anna Maria Bigatti | 09 Feb 2024 08:16 | bug | 90 |
| 1639 | CoCoA-5 | | Normal | RealRoots: crashes after interrupting | | 07 Dec 2021 20:26 | bug | 0 |
| 1604 | CoCoA-5 | | Normal | SqFreeFactor crashes over non-perfect field | | 28 Sep 2022 15:00 | bug | 10 |
| 1574 | CoCoA-5 | | Normal | ApproxSolveTF | | 24 Sep 2021 22:29 | bug | 0 |
| 1552 | CoCoA-5 | | Normal | subst: not checking args properly | | 03 Feb 2022 19:07 | bug | 0 |
| 1502 | CoCoA-5 | | Normal | SystemCommand in Microsoft version | John Abbott | 03 Feb 2022 19:46 | bug | 50 |
| 1406 | CoCoA-5 | | Normal | Poor memory management? | | 15 Jan 2024 19:51 | bug | 0 |
| 1229 | CoCoA-5 | | Normal | append is slow | | 04 Nov 2021 20:28 | bug | 0 |
| 1228 | CoCoA-5 | | High | SLUG: filling an array | John Abbott | 03 Feb 2022 19:42 | bug | 30 |
| 1760 | CoCoA-5 | | Normal | Quitting can be slow | | 06 Aug 2023 12:16 | Cleaning | 50 |
| 1746 | CoCoA-5 | | Normal | ManExamples target: need t reset VerbosityLevel | Anna Maria Bigatti | 22 Dec 2023 20:09 | Cleaning | 90 |
| 1679 | CoCoA-5 | | Normal | BuiltinFunctions-GFAn includes normaliz?!? | | 20 Apr 2022 21:49 | Cleaning | 0 |
| 1648 | CoCoA-5 | | Normal | ApproxSolve and RationalSolve take different input | | 03 Feb 2022 19:08 | Cleaning | 0 |
| 1351 | CoCoA-5 | | Normal | Clean up package points.cpkg | | 25 Oct 2019 13:34 | Cleaning | 0 |
| 1192 | CoCoA-5 | | Normal | RealRoots: rational roots (but not binary rational roots) | | 04 Nov 2021 20:29 | Cleaning | 0 |
| 989 | CoCoA-5 | | Normal | init file obligatory? | | 01 Dec 2016 11:36 | Cleaning | 10 |
| 929 | CoCoA-5 | | Normal | Clean up CoCoALibSupplement | Anna Maria Bigatti | 03 Feb 2022 19:48 | Cleaning | 20 |
| 491 | CoCoA-5 | | Normal | Cleaning: Cruft in CoCoA-5 packages | | 25 Jul 2018 14:26 | Cleaning | 20 |
| 480 | CoCoA-5 | | Normal | gcd too slow for large degree univariate poly | | 30 Oct 2019 22:44 | Cleaning | 0 |
| 477 | CoCoA-5 | | Normal | Eliminate keyword Alias? | | 04 Apr 2014 14:31 | Cleaning | 0 |
| 476 | CoCoA-5 | | Low | Review utility of package IO | Anna Maria Bigatti | 03 Feb 2022 19:09 | Cleaning | 40 |
| 474 | CoCoA-5 | | Urgent | Eliminate package BinRepr | Anna Maria Bigatti | 03 Feb 2022 19:47 | Cleaning | 50 |
| 465 | CoCoA-5 | | Normal | Emacs UI; remove cruft | | 13 Nov 2020 11:17 | Cleaning | 0 |
| 376 | CoCoA-5 | | Normal | Hilbert: Redesign hp.cpkg5 and public functions in TmpHilbert.C | Anna Maria Bigatti | 06 Aug 2020 12:21 | Cleaning | 10 |
| 1564 | CoCoA-5 | | Normal | Geometrical theorem proving package | | 19 Jan 2021 09:20 | CoCoA-4 function to be added | 0 |

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|------|---------|-------------|----------|--|--------------------|-------------------|------------------------------|--------|
| 1415 | CoCoA-5 | | Normal | thmproving package | Anna Maria Bigatti | 13 Jun 2022 15:31 | CoCoA-4 function to be added | 60 |
| 1246 | CoCoA-5 | | Urgent | Revive old CoCoA4 package called "cocoa5.cpkg" | Anna Maria Bigatti | 14 Mar 2023 11:58 | CoCoA-4 function to be added | 90 |
| 977 | CoCoA-5 | | Normal | "universal denominator" (related with GroebnerFanIdeals) | | 03 Feb 2022 19:11 | CoCoA-4 function to be added | 20 |
| 960 | CoCoA-5 | | Normal | New function: IdealAndSeparatorsOfPoints | | 02 Nov 2016 18:06 | CoCoA-4 function to be added | 0 |
| 702 | CoCoA-5 | | Normal | Add more operations for modules | Anna Maria Bigatti | 15 May 2015 09:05 | CoCoA-4 function to be added | 0 |
| 614 | CoCoA-5 | | Normal | Add functions based on MayerVietorisTree | Anna Maria Bigatti | 04 Sep 2014 14:05 | CoCoA-4 function to be added | 10 |
| 512 | CoCoA-5 | | Normal | Resurrect MakeCheck() | Anna Maria Bigatti | 28 Jul 2014 16:20 | CoCoA-4 function to be added | 0 |
| 501 | CoCoA-5 | | Normal | Toric: resurrect function TestSet (and find better name for it?) | Anna Maria Bigatti | 09 Apr 2014 15:53 | CoCoA-4 function to be added | 0 |
| 487 | CoCoA-5 | | Normal | ScalarProduct accepts MatrixRow? | | 18 Jun 2019 15:22 | CoCoA-4 function to be added | 0 |
| 454 | CoCoA-5 | | Normal | interpolate | John Abbott | 04 Apr 2014 16:24 | CoCoA-4 function to be added | 0 |
| 412 | CoCoA-5 | | Normal | intersection (all lower case) | Anna Maria Bigatti | 28 Jul 2014 17:41 | CoCoA-4 function to be added | 20 |
| 388 | CoCoA-5 | | High | port optimized resolutions to CoCoA-5 | Anna Maria Bigatti | 02 Jul 2014 16:13 | CoCoA-4 function to be added | 0 |
| 368 | CoCoA-5 | | Normal | port SmithNormalForm (CoCoA-4)package to CoCoA-5 | Anna Maria Bigatti | 22 Jan 2024 10:37 | CoCoA-4 function to be added | 10 |
| 175 | CoCoA-5 | | Normal | Approximate BuchbergerMoeller: port to CoCoA-5 | Anna Maria Bigatti | 14 Mar 2023 22:12 | CoCoA-4 function to be added | 70 |
| 171 | CoCoA-5 | | High | Negate LIST, MAT,... | | 04 Apr 2014 16:27 | CoCoA-4 function to be added | 0 |
| 78 | CoCoA-5 | | High | Elim ordering and matrix ordering in CoCoA-5 | Anna Maria Bigatti | 28 Mar 2024 07:25 | CoCoA-4 function to be added | 50 |
| 1626 | CoCoA-5 | | Normal | NewMat: should be obsolescent? | John Abbott | 19 Jan 2024 18:11 | CoCoA-4 function: obsolete | 90 |
| 1568 | CoCoA-5 | | High | RMap and image: obsolescent? | Anna Maria Bigatti | 17 Oct 2022 14:04 | CoCoA-4 function: obsolete | 40 |
| 1806 | CoCoA-5 | | Normal | New function ModuleElems? (like RingElems(RING, STRING)) | | 26 Mar 2024 13:44 | CoCoA-5 function: new | 0 |
| 1732 | CoCoA-5 | | Normal | EvalPolyAtMat | | 28 Mar 2023 16:35 | CoCoA-5 function: new | 0 |
| 1659 | CoCoA-5 | | Normal | Jordan Normal Form? | | 07 Feb 2022 17:57 | CoCoA-5 function: new | 0 |
| 1644 | CoCoA-5 | | Normal | Allow user to choose whether to print finite field elems as symm residues or non-neg residue | | 03 Feb 2022 19:15 | CoCoA-5 function: new | 10 |
| 1596 | CoCoA-5 | | Normal | Add CoCoA5 function NmzHilbertBasisKer | Anna Maria Bigatti | 14 Mar 2023 14:59 | CoCoA-5 function: new | 80 |

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| 1549 | CoCoA-5 | | Normal | Add sagbi package | Anna Maria Bigatti | 18 Feb 2022 16:18 | CoCoA-5 function: new | 10 |
| 1541 | CoCoA-5 | | Normal | foreach with ref to list entry? | | 15 Jan 2024 19:39 | CoCoA-5 function: new | 0 |
| 1535 | CoCoA-5 | | Normal | New functions: argmin, argmax | | 26 Nov 2020 15:52 | CoCoA-5 function: new | 10 |
| 1476 | CoCoA-5 | | Normal | Lin alg with polys | | 06 Aug 2020 15:03 | CoCoA-5 function: new | 0 |
| 1469 | CoCoA-5 | | Normal | Get indexed indets from a polyring | | 19 Jan 2021 12:39 | CoCoA-5 function: new | 0 |
| 1372 | CoCoA-5 | | Normal | New function: find ? | Anna Maria Bigatti | 04 Nov 2021 23:01 | CoCoA-5 function: new | 10 |
| 1305 | CoCoA-5 | | Normal | Create a directory | | 02 Sep 2019 16:31 | CoCoA-5 function: new | 10 |
| 1285 | CoCoA-5 | | Normal | New Fn: make a homogeneous list of ringelem | | 23 May 2019 11:53 | CoCoA-5 function: new | 0 |
| 1153 | CoCoA-5 | | Normal | New function: gin for algebraic extensions | Anna Maria Bigatti | 25 Jul 2018 15:36 | CoCoA-5 function: new | 0 |
| 1107 | CoCoA-5 | | Normal | CoCoA Online: install (using InteractiveShell) | Anna Maria Bigatti | 16 Oct 2017 16:54 | CoCoA-5 function: new | 10 |
| 993 | CoCoA-5 | | Normal | New function: RingQQi()? extension of QQ with imaginary unit | | 13 Nov 2017 15:05 | CoCoA-5 function: new | 0 |
| 980 | CoCoA-5 | | Normal | CoeffSize: function to measure the size of coeffs in a poly | | 28 Nov 2023 22:29 | CoCoA-5 function: new | 20 |
| 964 | CoCoA-5 | | Normal | New function: MakeMultiset? | Anna Maria Bigatti | 25 Jul 2018 15:35 | CoCoA-5 function: new | 0 |
| 753 | CoCoA-5 | | Normal | New function: LeastDegPolynomial (LDP) | | 30 Jul 2015 17:29 | CoCoA-5 function: new | 0 |
| 737 | CoCoA-5 | | Low | Elementary transcendental functions (sin, cos, tan, log, exp) | | 20 Mar 2017 09:00 | CoCoA-5 function: new | 50 |
| 731 | CoCoA-5 | | Normal | Primary Decomposition in CoCoA-5 | | 02 Oct 2017 13:30 | CoCoA-5 function: new | 10 |
| 626 | CoCoA-5 | | Normal | Output Betti numbers | | 17 Sep 2014 13:11 | CoCoA-5 function: new | 0 |
| 579 | CoCoA-5 | | Normal | Prototype package for Linear Commutative Algebra | Elisa Palezzato | 15 May 2020 10:27 | CoCoA-5 function: new | 10 |
| 578 | CoCoA-5 | | Normal | Gaussian Elimination | | 15 May 2020 10:26 | CoCoA-5 function: new | 10 |
| 504 | CoCoA-5 | | Normal | New operators: += -= *= /= | John Abbott | 25 Oct 2019 11:55 | CoCoA-5 function: new | 20 |
| 492 | CoCoA-5 | | Normal | New C5 fn for adjusting the warning level | | 22 Jul 2014 12:38 | CoCoA-5 function: new | 0 |
| 483 | CoCoA-5 | | Normal | Unique copies of rings in CoCoA-5 | | 04 Apr 2014 16:42 | CoCoA-5 function: new | 0 |
| 451 | CoCoA-5 | | Normal | Port function NewSymbol/NewSymbols to CoCoA-5 | | 09 Nov 2015 15:29 | CoCoA-5 function: new | 10 |
| 274 | CoCoA-5 | | Normal | InputForm for output readable as input | Anna Maria Bigatti | 04 Apr 2014 16:43 | CoCoA-5 function: new | 10 |
| 242 | CoCoA-5 | | Normal | CoCoA-5 Projects for students (e.g. credit F and tesi) | | 21 Oct 2022 15:53 | CoCoA-5 function: new | 10 |
| 235 | CoCoA-5 | | Normal | Add LucasTest to cocoa5? | | 04 Apr 2014 16:38 | CoCoA-5 function: new | 0 |
| 216 | CoCoA-5 | | Normal | Janet Bases: port function into CoCoA-5 | | 05 Nov 2021 16:12 | CoCoA-5 function: new | 20 |
| 1784 | CoCoALib | | Normal | Add flag IhaveHomogGensValue for ideals in SparsePolyRing? | | 01 Mar 2024 14:36 | Data Structures | 0 |

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|------|----------|-------------|----------|---|--------------------|-------------------|-----------------|--------|
| 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 |
| 1738 | CoCoALib | | Normal | Suggestion about Graded polynomial rings | | 05 May 2023 08:47 | Data Structures | 10 |
| 1422 | CoCoALib | | Normal | Remove flag lhaveGBasisValue? | Anna Maria Bigatti | 16 Feb 2024 17:56 | Data Structures | 10 |
| 1414 | CoCoALib | | High | Make class RingElemVector? | | 25 Apr 2024 21:53 | Data Structures | 20 |
| 1381 | CoCoALib | | Normal | Type ideal for ZZ[x[1..n]] | | 16 Feb 2024 09:47 | Data Structures | 10 |
| 1168 | CoCoALib | | Normal | ideal: does const ourGetPtr really need to be private? | | 08 Mar 2024 17:26 | Data Structures | 40 |
| 1115 | CoCoALib | | Normal | New class: exterior algebra | John Abbott | 31 Jan 2024 21:59 | Data Structures | 20 |
| 924 | CoCoALib | | Normal | FlagManager for bool/bool3 flags | Anna Maria Bigatti | 16 Feb 2024 17:57 | Data Structures | 50 |
| 871 | CoCoALib | | Normal | Redesign ideals | | 31 Oct 2023 11:24 | Data Structures | 0 |
| 832 | CoCoALib | | Low | Generalize grading matrix | | 14 Mar 2024 11:29 | Data Structures | 20 |
| 826 | CoCoALib | | Normal | Sparse matrices | | 02 Dec 2015 18:24 | Data Structures | 0 |
| 769 | CoCoALib | | Normal | CoCoALib cone | | 27 Jan 2020 15:32 | Data Structures | 10 |
| 729 | CoCoALib | | Normal | Betti numbers, betti diagram | | 14 Jun 2018 15:54 | Data Structures | 10 |
| 550 | CoCoALib | | Normal | add myResolution member field to ideal and (sub)module | | 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 |
| 396 | CoCoALib | | Normal | PPMonoidElemAlias: redesign PPMonoidElem the same way as RingElem? | John Abbott | 13 May 2015 09:57 | Data Structures | 0 |
| 130 | CoCoALib | | Normal | Design problem in ideals | | 13 May 2015 09:56 | Data Structures | 0 |
| 126 | CoCoALib | | Normal | New datastructures directory | | 13 May 2015 09:56 | Data Structures | 0 |
| 1812 | CoCoALib | | Normal | Documentation: indexXX.html should be recompiled if version has changed | | 29 Mar 2024 10:37 | Documentation | 0 |
| 1809 | CoCoALib | | Normal | Make ex-syz.C | Anna Maria Bigatti | 28 Mar 2024 08:45 | Documentation | 10 |
| 1775 | CoCoALib | | Normal | CoCoALib releases on redmine | Anna Maria Bigatti | 03 May 2024 07:32 | Documentation | 70 |
| 1673 | CoCoALib | | Normal | Review examples | | 08 Mar 2023 19:45 | Documentation | 0 |
| 1672 | CoCoALib | | Normal | Documentation: a good model to follow? | | 16 Feb 2024 09:33 | Documentation | 0 |
| 1665 | CoCoALib | | Normal | Compilation on Windows: problems for normaliz | Anna Maria Bigatti | 18 Mar 2024 09:27 | Documentation | 0 |
| 1664 | CoCoALib | | Normal | geobucket: documentation | | 08 Mar 2023 19:44 | Documentation | 0 |

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|------|----------|-------------|----------|--|--------------------|-------------------|---------------|--------|
| 1662 | CoCoALib | | Normal | txt2tags: problem with filenames containing "_" or "-" | Anna Maria Bigatti | 09 Apr 2024 14:21 | Documentation | 80 |
| 1611 | CoCoALib | | Normal | Documentation for PrimaryDecomposition | | 16 Feb 2024 09:42 | Documentation | 0 |
| 1607 | CoCoALib | | Normal | Coding guidelines | | 16 Feb 2024 10:02 | Documentation | 0 |
| 1584 | CoCoALib | | Normal | Benchmarks? | | 08 Mar 2023 19:41 | Documentation | 0 |
| 1561 | CoCoALib | | High | Doc for module term orderings | | 08 Mar 2024 17:38 | Documentation | 0 |
| 1510 | CoCoALib | | Normal | Documentation for SparsePolyOps? | | 18 Mar 2024 09:45 | Documentation | 30 |
| 1497 | CoCoALib | | Normal | Doc for normaliz fns | | 08 Mar 2023 19:40 | Documentation | 0 |
| 1219 | CoCoALib | | Normal | Frobby version number | | 08 Mar 2023 19:40 | Documentation | 10 |
| 1134 | CoCoALib | | Normal | Organize better the documentation for CoCoALib | | 09 Apr 2019 10:50 | Documentation | 0 |
| 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 |
| 972 | CoCoALib | | Normal | ex-PolyIterator | | 17 Nov 2016 13:21 | Documentation | 0 |
| 926 | CoCoALib | | Low | Documentation: check layout of history at end of generated HTML files (from the txt files) | | 21 Sep 2016 13:29 | Documentation | 0 |
| 788 | CoCoALib | | Normal | No doc for DistrMPolyInIFpPP | | 22 Oct 2015 13:49 | Documentation | 0 |
| 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 |
| 569 | CoCoALib | | Normal | Documentation for ReductionCog | | 11 Jun 2014 16:04 | Documentation | 0 |
| 505 | CoCoALib | | Normal | Documentation: write doc for RingDenseUPolyClean | Anna Maria Bigatti | 21 Sep 2016 17:15 | Documentation | 0 |
| 353 | CoCoALib | | Normal | Missing documentation and tests for myRecvTwinFloat | John Abbott | 14 Jul 2014 14:40 | Documentation | 0 |
| 315 | CoCoALib | | Normal | Add doc for ApproxPts2 | | 10 Jul 2014 16:23 | Documentation | 0 |
| 231 | CoCoALib | | Normal | Documentation for QBGenerator needs to be improved. | | 09 Jul 2014 18:06 | Documentation | 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 |
| 161 | CoCoALib | | Normal | Convert old "task table" into redmine | | 07 Apr 2014 14:35 | Documentation | 0 |
| 112 | CoCoALib | | Normal | automatic creation of all function signatures | | 07 Apr 2014 14:34 | Documentation | 0 |
| 76 | CoCoALib | | Low | keywords in documentation | | 04 Apr 2014 17:51 | Documentation | 0 |

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| 59 | CoCoALib | | Low | List of all functions in CoCoALib | | 08 Mar 2023 19:44 | Documentation | 10 |
| 26 | CoCoALib | | High | Redmine Administration | Anna Maria Bigatti | 23 Feb 2024 10:59 | Documentation | 80 |
| 1623 | CoCoA-5 | | Low | EmacsUI: annoying colours | Anna Maria Bigatti | 19 Jan 2024 16:50 | EmacsUI | 90 |
| 1551 | CoCoA-5 | | Low | Emacs: avoid making buffer visible in 2 "windows"? | | 19 Apr 2021 14:11 | EmacsUI | 0 |
| 1486 | CoCoA-5 | | Low | Emacs UI: indentation in a package | | 12 Nov 2021 11:19 | EmacsUI | 10 |
| 1432 | CoCoA-5 | | Normal | Emacs UI: cocoa5-shell-check-process vs. process-status | | 05 Nov 2021 16:32 | EmacsUI | 0 |
| 1363 | CoCoA-5 | | Normal | Emacs UI: slow with long lines | | 15 Jan 2024 19:32 | EmacsUI | 10 |
| 1076 | CoCoA-5 | | Low | EmacsUI: interrupt copies line cursor is on to bottom then interrupts | | 12 Jun 2017 18:27 | EmacsUI | 0 |
| 985 | CoCoA-5 | | Normal | Microsoft (Windows 10, maybe other versions): more help for installation | Anna Maria Bigatti | 16 Feb 2022 20:26 | EmacsUI | 10 |
| 772 | CoCoA-5 | | Low | Emacs UI: send-region and send-line make sense inside a cpkg5 file? | | 08 Sep 2015 12:49 | EmacsUI | 20 |
| 727 | CoCoA-5 | | Low | Emacs UI: send-file (C-c C-f) should check if buffer and file are synchronized | | 09 Feb 2021 15:22 | EmacsUI | 0 |
| 671 | CoCoA-5 | | Low | Emacs UI: swapped splitting | Anna Maria Bigatti | 09 Mar 2015 13:49 | EmacsUI | 0 |
| 663 | CoCoA-5 | | Low | Emacs UI: C-c C-\ copies line cursor is on | | 04 Feb 2015 13:19 | EmacsUI | 0 |
| 660 | CoCoA-5 | | Low | Emacs UI: endfunc does not indent the line | | 04 Mar 2020 22:06 | EmacsUI | 0 |
| 653 | CoCoA-5 | | Low | Emacs UI: use "warning colour" for an unmatched */ | | 04 Dec 2014 15:39 | EmacsUI | 0 |
| 469 | CoCoA-5 | | Low | Emacs UI: keywords in multiline comments | | 15 Jan 2024 19:49 | EmacsUI | 20 |
| 468 | CoCoA-5 | | Low | Emacs UI: indentation is wrong after ?keyword | | 17 Apr 2014 18:47 | EmacsUI | 0 |
| 448 | CoCoA-5 | | Low | EmacsUI Source/SourceRegion produce warning on Microsoft Windows 7 Ultimate | | 03 Feb 2022 19:51 | EmacsUI | 0 |
| 434 | CoCoA-5 | | Normal | Emacs UI: very slow when input file is big (with long lines) | | 09 Apr 2014 15:52 | EmacsUI | 0 |
| 424 | CoCoA-5 | | Low | Emacs UI: Name of emacs init file | Anna Maria Bigatti | 22 Jul 2014 11:21 | EmacsUI | 10 |
| 148 | CoCoA-5 | | Normal | C-c C-p in emacs goes to wrong line | | 06 Oct 2022 20:15 | EmacsUI | 20 |
| 1795 | CoCoA-5 | | Normal | Makefile problem: needlessly relinks CoCoAInterpreter | John Abbott | 18 Mar 2024 20:51 | enhancing/improving | 90 |
| 1772 | CoCoA-5 | | Normal | Continued fraction: arg type RAT or RAT/INT? | | 28 Nov 2023 22:17 | enhancing/improving | 0 |
| 1762 | CoCoA-5 | | Normal | CoCoA web site "analytics" | Anna Maria Bigatti | 21 Aug 2023 18:20 | enhancing/improving | 10 |
| 1752 | CoCoA-5 | | Normal | Make it easy to run the tests in a public/distrib version | | 06 Jul 2023 12:14 | enhancing/improving | 0 |
| 1747 | CoCoA-5 | | Normal | NewPolyRing with indices -- better interface? | | 29 Jun 2023 18:09 | enhancing/improving | 0 |

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| 1731 | CoCoA-5 | | Normal | Verbosity level in CoCoA5 | Anna Maria Bigatti | 11 May 2023 07:34 | enhancing/improving | 70 |
| 1728 | CoCoA-5 | | Normal | Refine Poset impl & doc | | 21 Mar 2023 03:33 | enhancing/improving | 10 |
| 1722 | CoCoA-5 | | Low | Daft slug | | 27 Feb 2023 12:57 | enhancing/improving | 20 |
| 1681 | CoCoA-5 | | Normal | Should Starting be case-insensitive? | Anna Maria Bigatti | 22 Dec 2023 11:27 | enhancing/improving | 20 |
| 1671 | CoCoA-5 | | Normal | Refactor C++ impl in OnlineHelp | | 11 Mar 2024 07:56 | enhancing/improving | 0 |
| 1638 | CoCoA-5 | | Normal | MinSubsetOfGens sometimes very slow | | 06 Dec 2021 20:37 | enhancing/improving | 0 |
| 1634 | CoCoA-5 | | Normal | Unexpected or unhelpful error using GroebnerFanIdeals | | 23 Nov 2021 17:15 | enhancing/improving | 0 |
| 1631 | CoCoA-5 | | Normal | Use filesystem::path instead of string (packageDir, CoCoAManFileName) | | 14 Jan 2022 10:27 | enhancing/improving | 0 |
| 1624 | CoCoA-5 | | Normal | CantStop playing CantStop | | 15 Jan 2024 19:55 | enhancing/improving | 0 |
| 1622 | CoCoA-5 | | Normal | BuiltinOneLiners -- less precise location in error messages | | 18 Mar 2024 21:16 | enhancing/improving | 0 |
| 1583 | CoCoA-5 | | Normal | New fn ElapsedTimeFrom? | | 18 Mar 2024 21:27 | enhancing/improving | 0 |
| 1581 | CoCoA-5 | | Normal | Slow sqfr: rad(f) | | 12 Oct 2021 09:22 | enhancing/improving | 0 |
| 1578 | CoCoA-5 | | Normal | SLUG: RationalSolve slow and stupid | | 15 Jan 2024 19:27 | enhancing/improving | 0 |
| 1560 | CoCoA-5 | | Normal | elim for modules | | 03 Feb 2022 19:55 | enhancing/improving | 0 |
| 1556 | CoCoA-5 | | Normal | DivAlg slower than NR | Anna Maria Bigatti | 08 Jan 2021 11:20 | enhancing/improving | 10 |
| 1545 | CoCoA-5 | | Low | CoeffOfTerm: in CoCoALibSupplement | | 11 Dec 2020 12:30 | enhancing/improving | 20 |
| 1533 | CoCoA-5 | | Low | RingElem and IndetSymbols not compatible | | 06 Nov 2020 13:56 | enhancing/improving | 10 |
| 1519 | CoCoA-5 | | Normal | Interpreter fn Value::from can use std::move? | | 03 Feb 2022 19:54 | enhancing/improving | 0 |
| 1508 | CoCoA-5 | | Normal | Initial ring | | 04 Nov 2021 23:04 | enhancing/improving | 20 |
| 1503 | CoCoA-5 | | Normal | More flexible ring creation syntax (after use or ::=) | | 08 Oct 2020 14:16 | enhancing/improving | 0 |
| 1496 | CoCoA-5 | | Low | Use "special" names for variables inside tests | | 12 Nov 2021 10:06 | enhancing/improving | 10 |
| 1475 | CoCoA-5 | | Normal | HilbertSeries: make into proper rational function | | 03 Feb 2022 19:54 | enhancing/improving | 0 |
| 1429 | CoCoA-5 | | Normal | Stack overflow reading long list (SEGV) | | 19 Apr 2021 14:14 | enhancing/improving | 0 |
| 1425 | CoCoA-5 | | Normal | MakeTerm: implement in C++ | | 03 Feb 2022 19:22 | enhancing/improving | 0 |
| 1403 | CoCoA-5 | | Normal | RingID: remove this function? | | 24 Jan 2020 21:20 | enhancing/improving | 10 |
| 1313 | CoCoA-5 | | Normal | Automatic conversion from RINGELEM to INT | | 03 Feb 2022 19:21 | enhancing/improving | 0 |
| 1296 | CoCoA-5 | | Normal | Matrixrow-functions | | 18 Jun 2019 15:15 | enhancing/improving | 10 |
| 1291 | CoCoA-5 | | Low | LinearSimplify: sometimes not optimal | | 27 May 2019 21:17 | enhancing/improving | 0 |
| 1275 | CoCoA-5 | | Low | incr and decr are slow | | 29 Apr 2019 17:53 | enhancing/improving | 0 |
| 1271 | CoCoA-5 | | Normal | Allow Interruption of printing? | | 17 Apr 2019 10:17 | enhancing/improving | 10 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|---------|-------------|----------|--|--------------------|-------------------|---------------------|--------|
| 1262 | CoCoA-5 | | Normal | Split BuiltinFunctions-CoCoALib.C into smaller files | | 03 Feb 2022 19:53 | enhancing/improving | 30 |
| 1244 | CoCoA-5 | | Normal | MSatLinSolve: req minor improvements | | 03 Feb 2022 20:14 | enhancing/improving | 10 |
| 1237 | CoCoA-5 | | Normal | ker: for PolyAlgHom from QQ[x,y,z] to QQ(t) | | 10 Jun 2021 18:06 | enhancing/improving | 0 |
| 1204 | CoCoA-5 | | Normal | MinPoly for matrix: fix in cocoa5 and export to cocoa5 | | 03 Feb 2022 19:21 | enhancing/improving | 0 |
| 1141 | CoCoA-5 | | Low | IsInRadical: for monomial ideals | | 15 May 2020 10:53 | enhancing/improving | 0 |
| 1138 | CoCoA-5 | | Normal | Latex: matrix | Anna Maria Bigatti | 11 Dec 2017 16:45 | enhancing/improving | 0 |
| 1129 | CoCoA-5 | | Normal | Generic Timeout for CoCoA-5? | | 28 Nov 2017 18:06 | enhancing/improving | 10 |
| 1116 | CoCoA-5 | | Normal | Port RowMat, ColMat, MatByRows,... to CoCoA-5 | Anna Maria Bigatti | 01 Oct 2019 14:40 | enhancing/improving | 0 |
| 1104 | CoCoA-5 | | Normal | Eigenvectors: inconsistent return type | John Abbott | 03 Feb 2022 19:20 | enhancing/improving | 10 |
| 1071 | CoCoA-5 | | Normal | LinKerBasis is user-unfriendly | | 03 Feb 2022 19:54 | enhancing/improving | 10 |
| 1068 | CoCoA-5 | | Normal | PolyRing constructor: NewOrdvArith computed twice | | 21 Mar 2024 11:55 | enhancing/improving | 10 |
| 1041 | CoCoA-5 | | Normal | Separators for elements of a list | | 04 Jan 2024 10:14 | enhancing/improving | 10 |
| 1034 | CoCoA-5 | | Low | Improve error message when args to (infix operator) IsIn have incompatible types | | 17 Mar 2017 13:19 | enhancing/improving | 0 |
| 1025 | CoCoA-5 | | Normal | Example of slow LEX GBasis computation | | 15 Nov 2017 14:57 | enhancing/improving | 10 |
| 1003 | CoCoA-5 | | Normal | New syntax for creating poly rings? | | 27 Jan 2017 15:54 | enhancing/improving | 10 |
| 984 | CoCoA-5 | | Normal | GroebnerFanIdeals: order matrices sometimes have "large" entries | | 22 Nov 2021 20:19 | enhancing/improving | 0 |
| 941 | CoCoA-5 | | Normal | Improve coverage of CoCoA-5 tests | | 10 Oct 2016 21:09 | enhancing/improving | 0 |
| 917 | CoCoA-5 | | Normal | CallOnGroebnerFanIdeals: better to use an iterator (or a "stream") | | 26 Nov 2016 17:46 | enhancing/improving | 0 |
| 916 | CoCoA-5 | | Normal | use command: unhelpful error if you use := instead of ::= | | 20 Oct 2020 17:50 | enhancing/improving | 0 |
| 888 | CoCoA-5 | | Normal | Escaped newline to allow a long line to be split into several "physical lines" | | 07 Jun 2016 00:26 | enhancing/improving | 0 |
| 879 | CoCoA-5 | | Normal | LOGAR: make CoCoA-5 easier to use | | 09 May 2016 15:30 | enhancing/improving | 0 |
| 876 | CoCoA-5 | | Normal | subst: allowed also for indets in the coeff ring | | 07 May 2016 13:59 | enhancing/improving | 0 |
| 875 | CoCoA-5 | | Normal | Interpreter is too slow reading a big polynomial | | 20 Oct 2020 18:05 | enhancing/improving | 10 |
| 865 | CoCoA-5 | | Normal | Implicit: make easier to use with rational functions | Anna Maria Bigatti | 03 Feb 2022 19:20 | enhancing/improving | 0 |
| 862 | CoCoA-5 | | Normal | append has bad complexity | | 05 Apr 2016 13:40 | enhancing/improving | 0 |
| 857 | CoCoA-5 | | Low | floor, ceil, and NearestInt for RingElem in CoCoA-5? | | 21 Feb 2019 09:17 | enhancing/improving | 0 |
| 723 | CoCoA-5 | | Normal | Referring to indets with multiple indices from a polyring | | 12 Feb 2021 12:16 | enhancing/improving | 0 |
| 716 | CoCoA-5 | | Low | NotBuiltin.cpkg5: indent for MODULE | | 06 Oct 2022 20:00 | enhancing/improving | 10 |
| 659 | CoCoA-5 | | Low | Ring ID: separate index values for "system created rings"? | | 23 Jan 2015 14:11 | enhancing/improving | 0 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|---|--------------------|-------------------|---------------------|--------|
| 657 | CoCoA-5 | | Low | use command, ring syntax, RingOf | | 20 Jan 2015 20:32 | enhancing/improving | 0 |
| 656 | CoCoA-5 | | Normal | eval: in which ring should the result be? | | 20 Jan 2015 20:25 | enhancing/improving | 0 |
| 655 | CoCoA-5 | | Normal | MakeSet can be very slow | | 20 Jan 2015 17:12 | enhancing/improving | 0 |
| 646 | CoCoA-5 | | Normal | Unique copies of free modules? | | 10 Nov 2014 16:42 | enhancing/improving | 0 |
| 610 | CoCoA-5 | | Low | Variable It: assign before or after printing | | 04 Nov 2021 20:34 | enhancing/improving | 0 |
| 600 | CoCoA-5 | | Normal | efficient subalgebras | Anna Maria Bigatti | 30 Jul 2014 17:29 | enhancing/improving | 0 |
| 720 | CoCoA-5 | | Normal | External libs: specifying I/O streams (initialization?) | | 22 May 2015 14:14 | External Libs | 0 |
| 712 | CoCoA-5 | | Normal | External Libs: missing dependencies in Makefiles | John Abbott | 01 Oct 2019 14:31 | External Libs | 10 |
| 709 | CoCoA-5 | | High | Speed of some Normaliz calls (NmzComputation) | | 03 Feb 2022 19:23 | External Libs | 10 |
| 1713 | CoCoA-5 | | Low | Windows: Qt-Gui does not link correctly | Nico Mexis | 25 Feb 2024 20:42 | GUI | 50 |
| 1393 | CoCoA-5 | | Normal | GUI with Qt5 | Ulrich von der Ohe | 30 Nov 2022 22:07 | GUI | 90 |
| 1293 | CoCoA-5 | | Low | Vim Plugin for CoCoA | | 24 Sep 2021 21:47 | GUI | 70 |
| 1093 | CoCoA-5 | | Low | GUI: bugs and slugs | John Abbott | 18 Aug 2022 15:36 | GUI | 10 |
| 611 | CoCoA-5 | | Low | GUI: quitting provokes Imminent Disaster | | 28 Feb 2024 21:24 | GUI | 0 |
| 527 | CoCoA-5 | | Normal | GUI: better name for the graphical interface? | | 27 Jul 2015 19:25 | GUI | 0 |
| 299 | CoCoA-5 | | Low | GUI: message "running.." (close to output window?) | | 15 May 2020 10:56 | GUI | 0 |
| 276 | CoCoA-5 | | Normal | TeXmacs interface | | 09 Apr 2014 15:01 | GUI | 0 |
| 198 | CoCoA-5 | | Normal | Appunti per (eventuale) tesi triennale Informatica: CoCoA GUI | | 30 Sep 2022 19:05 | GUI | 0 |
| 136 | CoCoA-5 | | Normal | GUI: Add an edit menu to the top bar (CoCoA GUI on MacOS) | | 02 Jul 2014 16:56 | GUI | 0 |
| 133 | CoCoA-5 | | Normal | Qt GUI: Make better distinction between input and output in the output window | | 12 Mar 2021 09:39 | GUI | 0 |
| 38 | CoCoA-5 | | Normal | GUI: open file "with C5" | | 09 Apr 2014 15:00 | GUI | 0 |
| 1802 | CoCoALib | | Normal | Tidying ideal generators (for non-polynomial ideals) | | 25 Mar 2024 19:05 | Improving | 0 |
| 1798 | CoCoALib | | Normal | Computing in sub polyring | | 22 Mar 2024 09:30 | Improving | 0 |
| 1796 | CoCoALib | | Normal | myFinalizeGBasis ("Final clean up") should be more flexible | Anna Maria Bigatti | 22 Mar 2024 16:19 | Improving | 30 |
| 1793 | CoCoALib | | Normal | Use ErrorContext instead of string FnName | | 26 Mar 2024 11:50 | Improving | 60 |
| 1786 | CoCoALib | | Normal | Add new function for IsInRadical for monomial ideals? (RadicalMembership) | Anna Maria Bigatti | 01 Mar 2024 18:37 | Improving | 10 |
| 1764 | CoCoALib | | Low | Verbosity messages: avoid printing BIG values | | 25 Apr 2024 21:44 | Improving | 10 |
| 1757 | CoCoALib | | Normal | gcd(f,f) is slow | | 16 Feb 2024 09:57 | Improving | 0 |
| 1756 | CoCoALib | | Normal | deg(f) is slow if f is long | John Abbott | 21 Mar 2024 20:40 | Improving | 50 |

| # | 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 |
| 1742 | CoCoALib | | Normal | MinGens could be faster | Anna Maria Bigatti | 18 May 2023 13:44 | Improving | 10 |
| 1737 | CoCoALib | | Normal | Homogenization of an ideal with \mathbb{Z}^n -grading | Anna Maria Bigatti | 01 Feb 2024 19:59 | Improving | 20 |
| 1733 | CoCoALib | | Low | FactorINT: funny order | John Abbott | 22 Apr 2024 19:51 | Improving | 60 |
| 1730 | CoCoALib | | Normal | ApplySPRCodomain: relax power/exponent check | | 27 Nov 2023 20:30 | Improving | 0 |
| 1706 | CoCoALib | | Normal | slimgb: Brickenstein, singular | | 30 Oct 2022 20:30 | Improving | 0 |
| 1705 | CoCoALib | | Normal | ProgressReporter: prepare for new loop? | John Abbott | 25 Apr 2024 21:40 | Improving | 80 |
| 1692 | CoCoALib | | Normal | Suggestion: Add "JumpTo" function to prime iterators | | 15 Feb 2024 22:39 | Improving | 10 |
| 1685 | CoCoALib | | Normal | RingBase::mySwap needed? | | 07 Mar 2024 20:49 | Improving | 10 |
| 1683 | CoCoALib | | Immediate | IsIrred in $\mathbb{Z}[x,y]$ | John Abbott | 16 Feb 2024 09:39 | Improving | 0 |
| 1682 | CoCoALib | | Normal | swap for new classes | | 16 Feb 2024 09:35 | Improving | 10 |
| 1668 | CoCoALib | | Normal | Generalize prim | | 31 Jan 2024 22:03 | Improving | 0 |
| 1667 | CoCoALib | | Urgent | GBasis over \mathbb{Z} : port to CoCoALib | | 29 Apr 2024 21:13 | Improving | 10 |
| 1657 | CoCoALib | | Normal | Improve CertifyNotPower | | 31 Jan 2024 22:03 | Improving | 0 |
| 1645 | CoCoALib | | Normal | Implement monic0(f) for the case monic(0)? | | 16 Feb 2024 09:38 | Improving | 10 |
| 1643 | CoCoALib | | Normal | rref slower than expected (maybe) [[reduced row echelon form]] | | 01 Mar 2024 09:54 | Improving | 0 |
| 1642 | CoCoALib | | Normal | interreduce: make monic if over finite field? | John Abbott | 16 Feb 2024 20:44 | Improving | 20 |
| 1637 | CoCoALib | | Low | Intersection of Ideals: has GBasis? | | 16 Feb 2024 17:25 | Improving | 0 |
| 1588 | CoCoALib | | Low | ElimMat is slow | | 22 Mar 2024 09:29 | Improving | 0 |
| 1582 | CoCoALib | | Normal | Factorization in $K(a,b)[x,y]$ | | 07 Mar 2024 20:23 | Improving | 0 |
| 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 |
| 1559 | CoCoALib | | Normal | Default ctor for rings | | 13 Mar 2024 20:42 | Improving | 10 |
| 1518 | CoCoALib | | Normal | SLUG: Printing PPs with many indets | | 15 Feb 2024 22:45 | Improving | 20 |
| 1513 | CoCoALib | | Normal | Better test for univariate-ness (and better conversion) | | 16 Mar 2024 21:38 | Improving | 0 |
| 1492 | CoCoALib | | Low | submat of a submat | | 16 Feb 2024 17:28 | Improving | 0 |
| 1485 | CoCoALib | | Normal | Simple syntax for making a quotient ring? | | 08 Mar 2023 19:51 | Improving | 0 |
| 1446 | CoCoALib | | Normal | Start using C++14 "move" capability | | 08 Mar 2024 18:00 | Improving | 10 |
| 1419 | CoCoALib | | Low | DynamicBitset::lamAll1s | | 03 Feb 2021 18:18 | Improving | 0 |
| 1417 | CoCoALib | | Normal | RadicalZeroDim with extra parameter for GBasis timeout | Anna Maria Bigatti | 16 Mar 2024 21:42 | Improving | 20 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|---|--------------------|-------------------|-----------|--------|
| 1394 | CoCoALib | | Low | Oddly slow GBasis computation (slow final cleanup) | Anna Maria Bigatti | 16 Apr 2024 22:46 | Improving | 70 |
| 1378 | CoCoALib | | Normal | Create two separate radical fns (for 0-dim ideals) | | 03 Jul 2023 17:49 | Improving | 0 |
| 1371 | CoCoALib | | Low | French students' example with GFan | | 27 Nov 2019 15:53 | Improving | 10 |
| 1370 | CoCoALib | | Low | RingID counter increased inside some functions | | 31 Jan 2024 22:19 | Improving | 0 |
| 1369 | CoCoALib | | Low | RandomUnimodularMat is slow with many iters | | 09 Jan 2020 12:19 | Improving | 10 |
| 1359 | CoCoALib | | Normal | gcd: low degree but big coeffs can be slow | | 30 Oct 2019 22:23 | Improving | 0 |
| 1349 | CoCoALib | | Normal | ideal ctor where given gens are a gbasis | | 16 Feb 2024 09:52 | Improving | 10 |
| 1346 | CoCoALib | | Normal | C++14: use the new for loop syntax where appropriate (like cocoa's foreach) | | 22 Apr 2024 21:08 | Improving | 80 |
| 1337 | CoCoALib | | Normal | PrimaryDecomposition: a interesting/pathological example | Anna Maria Bigatti | 08 Mar 2023 21:13 | Improving | 10 |
| 1324 | CoCoALib | | Normal | Improve RootBound | | 30 Oct 2019 21:44 | Improving | 10 |
| 1323 | CoCoALib | | Normal | Improve RealRoots: compute sqfr decomp | | 30 Sep 2019 16:14 | Improving | 0 |
| 1280 | CoCoALib | | High | Determinant & Inverse of matrix over non integral domain | John Abbott | 21 Jan 2024 19:43 | Improving | 40 |
| 1269 | CoCoALib | | Normal | Ideal Ops: sort-cuts for trivial args? | | 04 Apr 2019 15:07 | Improving | 0 |
| 1267 | CoCoALib | | Normal | Ideal equality | | 09 Apr 2019 17:48 | Improving | 10 |
| 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 |
| 1255 | CoCoALib | | Normal | Ideals with trivial GBasis | | 08 Mar 2023 19:49 | Improving | 0 |
| 1187 | CoCoALib | | Normal | Matrix rank is slow (over QQ) | | 26 Jun 2018 11:29 | Improving | 0 |
| 1156 | CoCoALib | | Normal | Printing for RingElem | | 08 Jan 2020 23:02 | Improving | 0 |
| 1130 | CoCoALib | | Normal | SqFreeFactor: should it work over ZZ? | | 05 Apr 2019 15:39 | Improving | 10 |
| 1118 | CoCoALib | | Low | SLUG: factorization of x^{9999} | | 31 Jan 2024 22:20 | Improving | 10 |
| 1117 | CoCoALib | | Normal | Better printing of negative coeffs | | 23 Sep 2019 11:52 | Improving | 10 |
| 1103 | CoCoALib | | Normal | Pseudo-zero-dim ideals | Anna Maria Bigatti | 05 Nov 2021 16:09 | Improving | 30 |
| 1070 | CoCoALib | | Normal | Slug: MakeTermOrd (rk calls in RemoveRedundantRows) | Anna Maria Bigatti | 17 May 2017 13:47 | Improving | 10 |
| 1069 | CoCoALib | | Normal | GroebnerFan: ERROR: Matrix must be invertible | | 17 Dec 2018 15:16 | Improving | 10 |
| 1059 | CoCoALib | | Normal | Printing ring for ideals (or just for ideals 0 and 1) | | 05 May 2017 16:58 | Improving | 10 |
| 1057 | CoCoALib | | High | Slug: Polynomial ring constructor slow with (big) matrix ordering | Anna Maria Bigatti | 22 Mar 2024 09:31 | Improving | 50 |
| 987 | CoCoALib | | Normal | GCD: add special case if args are monomials | | 28 Nov 2016 22:04 | Improving | 0 |
| 974 | CoCoALib | | Normal | QIR/RealRootRefine: improve behaviour if input interval has "nasty" endpoints | | 01 Mar 2021 21:25 | Improving | 10 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|-----|----------|-------------|----------|--|--------------------|-------------------|-----------|--------|
| 970 | CoCoALib | | Normal | Weights in ElimMat? | | 11 Nov 2016 15:49 | Improving | 10 |
| 968 | CoCoALib | | Normal | Slow NF example | | 10 Nov 2016 21:33 | Improving | 10 |
| 967 | CoCoALib | | Normal | Improve saturate | Anna Maria Bigatti | 22 Mar 2024 10:18 | Improving | 70 |
| 930 | CoCoALib | | Low | Printing TwinFloat as (rational) coeff without brackets | | 24 Sep 2016 21:43 | Improving | 0 |
| 904 | CoCoALib | | Normal | SmallFpDouble: which impl of InvMod to use? | | 04 Jul 2016 13:45 | Improving | 0 |
| 896 | CoCoALib | | Normal | myIsEqual, myCmp: direct comparisons between RingElem and MachineInt, BigInt and BigRat? | | 25 Jun 2018 15:31 | Improving | 10 |
| 884 | CoCoALib | | Normal | DistrMPolyInIPP::myPushFront and DistrMPolyInIPP::myPushBack inefficient if arg is a PP | | 24 May 2016 15:25 | Improving | 0 |
| 882 | CoCoALib | | Normal | Impl faster multiplication for DUP (dense univariate polys) | | 09 May 2016 22:10 | Improving | 0 |
| 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 |
| 869 | CoCoALib | | Normal | SmallFpImpl: different repr for computation and for storage? | | 22 Apr 2016 15:14 | Improving | 0 |
| 846 | CoCoALib | | Normal | IsIrred: correct design? | John Abbott | 26 Feb 2019 16:32 | Improving | 20 |
| 842 | CoCoALib | | Normal | PPMonoidSparse: comparisons are VERY SLOW | | 15 Feb 2016 13:57 | Improving | 0 |
| 839 | CoCoALib | | Low | SparsePolyIter: make more compatible with STL | | 07 Mar 2024 20:01 | Improving | 10 |
| 837 | CoCoALib | | Normal | factor is very slow on some simple input polynomials | | 06 Jan 2016 14:40 | Improving | 0 |
| 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 |
| 785 | CoCoALib | | Normal | finite fields: global register of fields already created? | | 15 Oct 2015 17:27 | Improving | 0 |
| 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 |
| 775 | CoCoALib | | Low | PPMonoid with 1 extra "exponent"? | | 15 Sep 2015 20:18 | Improving | 0 |
| 758 | CoCoALib | | Normal | configure: have option to say to look for external libs | | 03 Sep 2015 11:41 | Improving | 10 |
| 743 | CoCoALib | | Urgent | Better errors: give supplementary info about the error | | 15 Mar 2024 18:33 | Improving | 10 |
| 742 | CoCoALib | | Normal | View PP exponent vector (and order vector?) as an array of long? | | 01 Sep 2015 12:08 | Improving | 10 |
| 740 | CoCoALib | | Normal | Addition of sparse (multivariate) polynomials | | 17 Jun 2016 14:35 | Improving | 0 |
| 710 | CoCoALib | | Normal | Update normaliz interface? | | 16 Feb 2024 18:25 | Improving | 10 |
| 688 | CoCoALib | | Normal | PolyAlgebraHom (PolyRingHom) evaluate multivariate polynomials | | 22 Apr 2015 14:38 | Improving | 10 |
| 598 | CoCoALib | | Normal | Syzygy for modules: non-homogeneous module | Anna Maria Bigatti | 27 Mar 2024 17:31 | Improving | 40 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|-----------|--|--------------------|-------------------|----------------------|--------|
| 420 | CoCoALib | | Normal | Allow user to give a name to a ring | | 13 May 2015 09:55 | Improving | 0 |
| 329 | CoCoALib | | Normal | Why is DMPI slower than DMPClean? | | 13 May 2015 09:54 | Improving | 0 |
| 1805 | CoCoA-5 | | Normal | Add CoCoA-5 syntax: syz(<F,> list of ModuleElem) | Anna Maria Bigatti | 26 Mar 2024 12:16 | Incomplete function | 0 |
| 920 | CoCoA-5 | | Normal | Empty matrix: warning, error, or empty matrix? | | 08 Sep 2016 11:45 | Incomplete function | 10 |
| 106 | CoCoA-5 | | Normal | I:f (IDEAL and RINGELEM) -- operator colon | Anna Maria Bigatti | 02 Sep 2014 11:12 | Incomplete function | 10 |
| 100 | CoCoA-5 | | Normal | BringIn should map only the indets in its arg | | 26 Sep 2022 20:25 | Incomplete function | 0 |
| 96 | CoCoA-5 | | Normal | sort is too slow | John Abbott | 28 May 2021 20:40 | Incomplete function | 0 |
| 779 | CoCoALib | | Low | Makefile: problem not seeing when files in TmpFactorDir need to be rebuilt | | 17 Sep 2015 22:10 | Makefile | 0 |
| 149 | CoCoALib | | Normal | Makefile dependencies | | 01 Aug 2014 08:59 | Makefile | 0 |
| 1776 | CoCoA-5 | | Normal | CoCoA-5 releases on redmine | Anna Maria Bigatti | 12 Jan 2024 11:53 | Manual/documentation | 70 |
| 1765 | CoCoA-5 | | Normal | Difference between seealso and keys? | | 16 Oct 2023 20:02 | Manual/documentation | 0 |
| 1741 | CoCoA-5 | | High | Documentation/Manual for HilbertFn | | 10 May 2023 20:49 | Manual/documentation | 20 |
| 1707 | CoCoA-5 | | Normal | User forum? | | 01 Nov 2022 22:02 | Manual/documentation | 0 |
| 1686 | CoCoA-5 | | Normal | Manual entry for random (see also) | | 09 Jun 2022 20:49 | Manual/documentation | 0 |
| 1663 | CoCoA-5 | | Normal | GCDList not documented | | 31 May 2022 09:55 | Manual/documentation | 0 |
| 1636 | CoCoA-5 | | Normal | Missing/Incomplete manual entries | | 30 Nov 2023 17:21 | Manual/documentation | 10 |
| 1621 | CoCoA-5 | | Normal | Doc for the various BuiltIn files | | 18 Oct 2021 11:26 | Manual/documentation | 0 |
| 1566 | CoCoA-5 | | Normal | What does rad do? | | 21 Jan 2021 13:46 | Manual/documentation | 0 |
| 1548 | CoCoA-5 | | Normal | Man page for UniversalGBasis | Anna Maria Bigatti | 03 Feb 2022 20:18 | Manual/documentation | 0 |
| 1534 | CoCoA-5 | | Immediate | Install CoCoA-5 on MacOS-10.15+ | | 07 Oct 2022 14:35 | Manual/documentation | 50 |
| 1480 | CoCoA-5 | | Normal | Documentation for making ring with parameters | | 03 Feb 2022 20:18 | Manual/documentation | 0 |
| 1454 | CoCoA-5 | | Normal | Filenames in release CoCoAManual/html containing [obsolete] | Anna Maria Bigatti | 03 Feb 2022 20:17 | Manual/documentation | 0 |
| 1430 | CoCoA-5 | | Normal | HTML manual: search using keywords? | | 04 Nov 2021 23:17 | Manual/documentation | 0 |
| 1418 | CoCoA-5 | | Normal | Manual entry for NewPolyRing | | 03 Feb 2022 20:16 | Manual/documentation | 0 |
| 1365 | CoCoA-5 | | Normal | Package Edgeldeal not documented | | 03 Feb 2022 20:16 | Manual/documentation | 0 |
| 1350 | CoCoA-5 | | Normal | CoCoA manual: entry for operators, shortcuts | | 05 Feb 2022 20:35 | Manual/documentation | 0 |
| 1320 | CoCoA-5 | | Normal | CoCoA-5 manual: incorrect empty line in syntax box (in PDF file) | | 04 Nov 2021 23:16 | Manual/documentation | 0 |
| 1314 | CoCoA-5 | | Normal | Emacs UI: open manual pages in a separate frame? | | 27 Sep 2019 17:23 | Manual/documentation | 10 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|--|--------------------|-------------------|----------------------|--------|
| 1252 | CoCoA-5 | | Normal | ShapeLemma: no manual entry | | 03 Feb 2022 20:16 | Manual/documentation | 0 |
| 1245 | CoCoA-5 | | Normal | Online manual entry for RingElem needs to be improved | | 03 Feb 2022 20:15 | Manual/documentation | 0 |
| 1241 | CoCoA-5 | | Normal | GDPR: website, mailing list | | 05 Feb 2022 20:34 | Manual/documentation | 0 |
| 1079 | CoCoA-5 | | Normal | CoCoAManual: AffHilbertFn accepts also ideal (correct?) | | 08 May 2023 20:44 | Manual/documentation | 20 |
| 1077 | CoCoA-5 | | Normal | Manual: remove old stuff about "devices" | John Abbott | 14 Mar 2023 22:02 | Manual/documentation | 70 |
| 1054 | CoCoA-5 | | Normal | CoCoAManual: improved search, or improved selection of "see also" pages | | 28 Apr 2017 11:42 | Manual/documentation | 0 |
| 1031 | CoCoA-5 | | Normal | ScalarProduct: exact defn and manual page | | 17 Mar 2017 11:03 | Manual/documentation | 0 |
| 943 | CoCoA-5 | | Normal | Managing credits | | 16 May 2017 14:49 | Manual/documentation | 10 |
| 912 | CoCoA-5 | | Urgent | Add TUTORIALS to online manual | | 17 Oct 2022 14:02 | Manual/documentation | 80 |
| 677 | CoCoA-5 | | Normal | Credits to CoCoA-5 contributors | | 15 Nov 2019 15:28 | Manual/documentation | 0 |
| 557 | CoCoA-5 | | Normal | CoCoAManual: improve part on input/output | Anna Maria Bigatti | 03 Feb 2022 20:15 | Manual/documentation | 0 |
| 323 | CoCoA-5 | | Normal | system variables | | 04 Apr 2014 17:06 | Manual/documentation | 0 |
| 322 | CoCoA-5 | | High | Installation instructions (on website) | Anna Maria Bigatti | 13 Jun 2022 15:32 | Manual/documentation | 60 |
| 296 | CoCoA-5 | | Normal | Documentation for Parser/Interpreter | Anna Maria Bigatti | 09 Apr 2014 17:22 | Manual/documentation | 10 |
| 181 | CoCoA-5 | | Low | Functions throwing error even though (trivially) defined | | 04 Nov 2021 23:09 | Manual/documentation | 10 |
| 177 | CoCoA-5 | | Normal | CoCoAManual: General part of the documentation is obsolete: update? discard? | Anna Maria Bigatti | 10 Mar 2023 17:02 | Manual/documentation | 70 |
| 13 | CoCoA-5 | | Normal | (short) manual for emacs interface | | 12 Oct 2016 16:56 | Manual/documentation | 0 |
| 1740 | CoCoALib | | High | MinGens gives non minimal gens *if some deg=0* | Anna Maria Bigatti | 22 Mar 2024 18:04 | Maths Bugs | 30 |
| 1571 | CoCoALib | | Normal | ker_H needs care | Anna Maria Bigatti | 16 Feb 2024 17:49 | Maths Bugs | 10 |
| 1281 | CoCoALib | | High | Factor of multivariate sometimes prints ERROR | | 21 Jan 2024 20:03 | Maths Bugs | 10 |
| 1233 | CoCoALib | | High | factor SEGV -- too large characteristic | John Abbott | 14 Mar 2023 19:45 | Maths Bugs | 60 |
| 1026 | CoCoALib | | Normal | JanetBasis gives error indet index out of range | | 08 Mar 2017 15:26 | Maths Bugs | 0 |
| 1815 | CoCoALib | | Normal | JSON and UUID | | 02 May 2024 19:58 | New Function | 10 |
| 1808 | CoCoALib | | Normal | New constructor for PolyRing with elimination ordering | Anna Maria Bigatti | 28 Mar 2024 07:35 | New Function | 10 |
| 1797 | CoCoALib | | Normal | Add a function CleanupGens making some easy cleaning on the generators? | | 25 Mar 2024 19:16 | New Function | 0 |
| 1785 | CoCoALib | | Normal | Add function IsHomog3(l)? | | 01 Mar 2024 14:53 | New Function | 0 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|----------|---|--------------------|-------------------|--------------|--------|
| 1778 | CoCoALib | | Normal | Homogenizer | | 25 Apr 2024 21:54 | New Function | 10 |
| 1743 | CoCoALib | | Normal | Implement Truncated GBases for homogeneous input | Anna Maria Bigatti | 19 May 2023 15:42 | New Function | 0 |
| 1715 | CoCoALib | | Low | ProductBigInt (also ProductBigRat???) | | 23 Jan 2024 22:14 | New Function | 0 |
| 1652 | CoCoALib | | Low | Add LM to cocoalib ? | | 15 Feb 2024 22:41 | New Function | 10 |
| 1635 | CoCoALib | | Normal | NR for polys with coeffs in PID | | 16 Feb 2024 09:39 | New Function | 10 |
| 1602 | CoCoALib | | Low | Sparse matrix (SparseMat) | | 15 Feb 2024 22:42 | New Function | 0 |
| 1532 | CoCoALib | | Normal | Convenient RingHom pseudo-ctors | | 07 Mar 2024 21:34 | New Function | 10 |
| 1482 | CoCoALib | | Normal | Extended rationals: PlusInfinity and MinusInfinity | | 16 Feb 2024 18:02 | New Function | 10 |
| 1472 | CoCoALib | | Low | Idea for for loops | | 16 Feb 2024 09:55 | New Function | 10 |
| 1470 | CoCoALib | | Normal | Get indexed indets from a polyring | | 07 Mar 2024 20:36 | New Function | 0 |
| 1468 | CoCoALib | | Normal | Adjoin indets to a poly ring | | 15 Feb 2024 22:45 | New Function | 10 |
| 1444 | CoCoALib | | Normal | HNF: Hermite Normal Form | | 16 Feb 2024 09:53 | New Function | 0 |
| 1441 | CoCoALib | | Normal | GFan: port CoCoA_5 functions into CoCoALib | Anna Maria Bigatti | 16 Feb 2024 17:54 | New Function | 0 |
| 1437 | CoCoALib | | Normal | Filling matrix row/col from a vector | | 15 Feb 2024 22:46 | New Function | 0 |
| 1433 | CoCoALib | | Normal | HilbertDriven Buchberger Algorithm | Anna Maria Bigatti | 16 Feb 2024 18:02 | New Function | 0 |
| 1339 | CoCoALib | | Normal | All PPs of given wdeg | | 16 Oct 2019 14:04 | New Function | 0 |
| 1306 | CoCoALib | | Normal | exgcd over integers (ZZ) | | 08 Mar 2024 17:57 | New Function | 20 |
| 1282 | CoCoALib | | Normal | subresultant | | 08 Mar 2024 17:54 | New Function | 20 |
| 1278 | CoCoALib | | Normal | Port old "clever" code for matrix determinant over ZZ to CoCoALib | | 03 May 2019 11:42 | New Function | 0 |
| 1254 | CoCoALib | | Normal | New function: MinPoly for pseudo-zero-dimensional ideals | Anna Maria Bigatti | 07 Mar 2024 20:25 | New Function | 0 |
| 1227 | CoCoALib | | Normal | exgcd; solve Bezout equation | | 29 Aug 2019 14:55 | New Function | 0 |
| 1207 | CoCoALib | | Normal | New function: SubmoduleOfGBasis | | 18 Mar 2024 09:33 | New Function | 0 |
| 1198 | CoCoALib | | Normal | Non-standard DegRevLex (NonStdDegRevLex, WDegRevLex) | | 23 Sep 2019 12:44 | New Function | 0 |
| 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 |
| 1173 | CoCoALib | | Normal | Upper bound for value of poly in an interval | | 04 Apr 2018 11:55 | New Function | 0 |
| 1150 | CoCoALib | | Normal | New fn: transform ideal with ring hom | | 22 Jun 2020 10:34 | New Function | 0 |
| 1132 | CoCoALib | | Normal | Canonical homomorphism for (some) polynomial rings? | Anna Maria Bigatti | 08 Mar 2024 18:01 | New Function | 0 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|----------|-------------|-----------|---|--------------------|-------------------|--------------|--------|
| 1094 | CoCoALib | | Normal | Revive code for SelfSaturating GBasis | Anna Maria Bigatti | 22 Mar 2024 14:38 | New Function | 50 |
| 1022 | CoCoALib | | Normal | New "LF" function which is based on StdDeg | | 06 Mar 2017 19:37 | New Function | 20 |
| 1001 | CoCoALib | | Normal | CoCoALib: ideas for student projects | | 18 Feb 2022 16:57 | New Function | 10 |
| 992 | CoCoALib | | Normal | Poly ring homomorphism to change ordering | | 13 Dec 2016 18:04 | New Function | 0 |
| 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 |
| 947 | CoCoALib | | Normal | IsRadical for ideal? | | 23 Jan 2024 22:13 | New Function | 10 |
| 937 | CoCoALib | | Normal | LinDepMill: Mill for linear dependencies | Anna Maria Bigatti | 18 Apr 2024 16:38 | New Function | 10 |
| 923 | CoCoALib | | Normal | Fn to read symbol range (SymbolRange) | | 16 Sep 2016 15:04 | New Function | 0 |
| 914 | CoCoALib | | Normal | New function: quorem for univariate polynomials? | | 22 Aug 2016 16:45 | New Function | 0 |
| 913 | CoCoALib | | Normal | Read input from SymbolicData database | Anna Maria Bigatti | 02 Aug 2016 10:55 | New Function | 0 |
| 898 | CoCoALib | | High | New function: cardinality of finite field? | Anna Maria Bigatti | 08 Mar 2024 17:45 | New Function | 20 |
| 885 | CoCoALib | | Normal | Islrred3: fast 3-way irred test (returning bool3) | | 30 Apr 2019 17:19 | New Function | 10 |
| 873 | CoCoALib | | Normal | bool3: add some logical operations? | | 21 Jun 2016 14:37 | New Function | 10 |
| 840 | CoCoALib | | Normal | GINV: alex basis | | 31 Mar 2016 13:05 | New Function | 10 |
| 838 | CoCoALib | | Normal | Differential algebra | | 24 Oct 2016 15:32 | New Function | 10 |
| 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 |
| 817 | CoCoALib | | High | GenRepr in CoCoALib? | | 17 Nov 2016 14:12 | New Function | 0 |
| 813 | CoCoALib | | Immediate | Implement "elim" in CoCoALib | Anna Maria Bigatti | 18 Mar 2024 15:58 | New Function | 90 |
| 812 | CoCoALib | | Normal | PPMonoid pseudo-ctor without explicit ordering | | 24 Nov 2015 18:16 | New Function | 0 |
| 803 | CoCoALib | | Normal | PPOrdering: use it to compute WDeg? | | 06 Nov 2017 14:00 | New Function | 10 |
| 802 | CoCoALib | | Urgent | DivMask: extend interface? | John Abbott | 08 Mar 2024 17:36 | New Function | 50 |
| 801 | CoCoALib | | Normal | Test whether a symbol is in a ring | | 07 Mar 2024 21:36 | New Function | 0 |
| 738 | CoCoALib | | Normal | Extend homomorphism to polynomial ring | | 25 Jun 2015 17:23 | New Function | 10 |
| 728 | CoCoALib | | Normal | Noncommutative algebra "of solvable type" | | 09 Jul 2015 08:39 | New Function | 10 |
| 703 | CoCoALib | | Normal | Add more operations between modules (CoCoALib) | Anna Maria Bigatti | 27 Oct 2017 11:53 | New Function | 10 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|-----|----------|-------------|----------|--|--------------------|-------------------|--------------|--------|
| 690 | CoCoALib | | Normal | Fault tolerant rational reconstruction: implement simultaneous version | | 23 Apr 2015 19:12 | New Function | 0 |
| 678 | CoCoALib | | Normal | Accumulator (like a geobucket) | | 17 Nov 2016 19:03 | New Function | 20 |
| 667 | CoCoALib | | Normal | factor: multivariate + finite characteristic | | 04 Mar 2015 20:08 | New Function | 0 |
| 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 |
| 661 | CoCoALib | | Normal | Laurent polynomials | | 23 Jan 2015 13:50 | New Function | 0 |
| 651 | CoCoALib | | Normal | Optimized algorithms for implicitization (slicing algorithm, elim, subalgebra..) | | 12 Feb 2015 10:33 | New Function | 10 |
| 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 |
| 628 | CoCoALib | | Normal | Complex twin-floats | | 22 Sep 2014 18:16 | New Function | 0 |
| 627 | CoCoALib | | Normal | Gaussian integer and rationals ZZi, QQi | | 23 Sep 2014 16:30 | New Function | 0 |
| 620 | CoCoALib | | Normal | Redesign CRTMill | John Abbott | 21 Mar 2016 14:30 | New Function | 20 |
| 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 |
| 570 | CoCoALib | | Normal | Allow use of RingElem instead of ring in some functions (e.g. PPM, CoeffRing) | | 16 Jul 2014 14:43 | New Function | 0 |
| 565 | CoCoALib | | Normal | FloatApprox for TwinFloat values? | John Abbott | 19 Jul 2016 22:44 | New Function | 20 |
| 539 | CoCoALib | | Low | Functions to clean up a factorization | | 22 Jan 2024 20:28 | New Function | 0 |
| 515 | CoCoALib | | Normal | Fn to "flatten" multiple polynomial extns | | 10 Jul 2014 14:22 | New Function | 0 |
| 513 | CoCoALib | | High | Quick/correct flag for bool3 fns | | 10 Jul 2014 16:30 | New Function | 10 |
| 459 | CoCoALib | | Low | LinearSimplify: port to CoCoALib | | 20 May 2014 09:47 | New Function | 0 |
| 442 | CoCoALib | | Normal | Eigenvectors | | 09 Jul 2014 18:05 | New Function | 0 |
| 440 | CoCoALib | | High | Port RealRoots to C++ | John Abbott | 19 Oct 2016 10:26 | New Function | 0 |
| 436 | CoCoALib | | Normal | Improve UPoly eval at BigRat for binary rational | | 01 Aug 2014 08:59 | New Function | 0 |
| 409 | CoCoALib | | High | Minimal syzygies (optimized implementation) | Anna Maria Bigatti | 31 Jul 2014 12:36 | New Function | 0 |
| 400 | CoCoALib | | Normal | add myJBMill member field to ideal | | 15 Sep 2014 12:04 | 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 |

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|-----|----------|-------------|----------|---|--------------------|-------------------|--------------|--------|
| 383 | CoCoALib | | Normal | Resolution/morse: integrate Mario Albert's code into CoCoALib | John Abbott | 31 Jul 2014 14:57 | New Function | 60 |
| 337 | CoCoALib | | Normal | Module homs | | 31 Jul 2014 12:40 | New Function | 0 |
| 313 | CoCoALib | | High | Elim(vector<long>) as PPOrderingCtor | Anna Maria Bigatti | 22 Mar 2024 18:17 | New Function | 30 |
| 297 | CoCoALib | | Normal | Modules design: brainstorming | | 31 Jul 2014 14:55 | New Function | 30 |
| 289 | CoCoALib | | Normal | PrimeField -- new fn? | | 01 Aug 2014 08:59 | New Function | 0 |
| 246 | CoCoALib | | Normal | Approx QIR | | 04 Apr 2014 17:16 | New Function | 0 |
| 229 | CoCoALib | | Normal | Generator for random ring elements | | 01 Aug 2014 08:59 | New Function | 0 |

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