

CoCoA-5 - Issues

| # | Project | Parent task | Priority | Subject | Assignee | Updated | Category | % Done |
|------|---------|-------------|----------|--|--------------------|-------------------|------------------------------|--------|
| 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 |
| 912 | CoCoA-5 | | Urgent | Add TUTORIALs to online manual | | 17 Oct 2022 14:02 | Manual/documentation | 80 |
| 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 |
| 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 |
| 7 | CoCoA-5 | | High | Automatic mapping between (some) rings | Anna Maria Bigatti | 10 Mar 2023 17:08 | Parser/Interpreter | 80 |
| 1806 | CoCoA-5 | | Normal | New function ModuleElems? (like RingElems(RING, STRING)) | | 26 Mar 2024 13:44 | CoCoA-5 function: new | 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 |
| 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 |
| 1732 | CoCoA-5 | | Normal | EvalPolyAtMat | | 28 Mar 2023 16:35 | CoCoA-5 function: new | 0 |
| 1731 | CoCoA-5 | | Normal | Verbosity level in CoCoA5 | Anna Maria Bigatti | 11 May 2023 07:34 | enhancing/improving | 70 |
| 1701 | CoCoA-5 | | Normal | Preliminary packages | | 18 Mar 2024 21:05 | Release | 10 |
| 1671 | CoCoA-5 | | Normal | Refactor C++ impl in OnlineHelp | | 11 Mar 2024 07:56 | enhancing/improving | 0 |
| 1659 | CoCoA-5 | | Normal | Jordan Normal Form? | | 07 Feb 2022 17:57 | CoCoA-5 function: new | 0 |
| 1648 | CoCoA-5 | | Normal | ApproxSolve and RationalSolve take different input | | 03 Feb 2022 19:08 | Cleaning | 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 |
| 1583 | CoCoA-5 | | Normal | New fn ElapsedTimeFrom? | | 18 Mar 2024 21:27 | enhancing/improving | 0 |
| 1564 | CoCoA-5 | | Normal | Geometrical theorem proving package | | 19 Jan 2021 09:20 | CoCoA-4 function to be added | 0 |
| 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 |
| 1503 | CoCoA-5 | | Normal | More flexible ring creation syntax (after use or ::=) | | 08 Oct 2020 14:16 | enhancing/improving | 0 |
| 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 |

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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 |
| 1373 | CoCoA-5 | | Normal | GFan also for Microsoft? | Anna Maria Bigatti | 17 Oct 2022 13:59 | Portability | 10 |
| 1372 | CoCoA-5 | | Normal | New function: find ? | Anna Maria Bigatti | 04 Nov 2021 23:01 | CoCoA-5 function: new | 10 |
| 1313 | CoCoA-5 | | Normal | Automatic conversion from RINGELEM to INT | | 03 Feb 2022 19:21 | enhancing/improving | 0 |
| 1305 | CoCoA-5 | | Normal | Create a directory | | 02 Sep 2019 16:31 | CoCoA-5 function: new | 10 |
| 1296 | CoCoA-5 | | Normal | Matrixrow-functions | | 18 Jun 2019 15:15 | enhancing/improving | 10 |
| 1285 | CoCoA-5 | | Normal | New Fn: make a homogeneous list of ringelem | | 23 May 2019 11:53 | CoCoA-5 function: new | 0 |
| 1271 | CoCoA-5 | | Normal | Allow Interruption of printing? | | 17 Apr 2019 10:17 | enhancing/improving | 10 |
| 1262 | CoCoA-5 | | Normal | Split BuiltinFunctions-CoCoALib.C into smaller files | | 03 Feb 2022 19:53 | enhancing/improving | 30 |
| 1204 | CoCoA-5 | | Normal | MinPoly for matrix: fix in cocoa5 and export to cocoa5 | | 03 Feb 2022 19:21 | enhancing/improving | 0 |
| 1153 | CoCoA-5 | | Normal | New function: gin for algebraic extensions | Anna Maria Bigatti | 25 Jul 2018 15:36 | CoCoA-5 function: new | 0 |
| 1129 | CoCoA-5 | | Normal | Generic Timeout for CoCoA-5? | | 28 Nov 2017 18:06 | enhancing/improving | 10 |
| 1107 | CoCoA-5 | | Normal | CoCoA Online: install (using InteractiveShell) | Anna Maria Bigatti | 16 Oct 2017 16:54 | CoCoA-5 function: new | 10 |
| 1003 | CoCoA-5 | | Normal | New syntax for creating poly rings? | | 27 Jan 2017 15:54 | enhancing/improving | 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 |
| 960 | CoCoA-5 | | Normal | New function: IdealAndSeparatorsOfPoints | | 02 Nov 2016 18:06 | CoCoA-4 function to be added | 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 |
| 876 | CoCoA-5 | | Normal | subst: allowed also for indets in the coeff ring | | 07 May 2016 13:59 | enhancing/improving | 0 |
| 865 | CoCoA-5 | | Normal | Implicit: make easier to use with rational functions | Anna Maria Bigatti | 03 Feb 2022 19:20 | enhancing/improving | 0 |
| 770 | CoCoA-5 | | Normal | CoCoA type "cone" | | 22 May 2017 14:12 | | 0 |
| 731 | CoCoA-5 | | Normal | Primary Decomposition in CoCoA-5 | | 02 Oct 2017 13:30 | CoCoA-5 function: new | 10 |
| 723 | CoCoA-5 | | Normal | Referring to indets with multiple indices from a polyring | | 12 Feb 2021 12:16 | enhancing/improving | 0 |
| 720 | CoCoA-5 | | Normal | External libs: specifying I/O streams (initialization?) | | 22 May 2015 14:14 | External Libs | 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 |

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| 633 | CoCoA-5 | | Normal | New operations? ScalarProduct(MODULELEM,LIST), MATRIX * MODULELEM | | 17 Mar 2017 10:55 | | 0 |
| 626 | CoCoA-5 | | Normal | Output Betti numbers | | 17 Sep 2014 13:11 | CoCoA-5 function: new | 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 |
| 600 | CoCoA-5 | | Normal | efficient subalgebras | Anna Maria Bigatti | 30 Jul 2014 17:29 | enhancing/improving | 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 |
| 512 | CoCoA-5 | | Normal | Resurrect MakeCheck() | Anna Maria Bigatti | 28 Jul 2014 16:20 | CoCoA-4 function to be added | 0 |
| 504 | CoCoA-5 | | Normal | New operators: += -= *= /= | John Abbott | 25 Oct 2019 11:55 | CoCoA-5 function: new | 20 |
| 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 |
| 492 | CoCoA-5 | | Normal | New C5 fn for adjusting the warning level | | 22 Jul 2014 12:38 | CoCoA-5 function: new | 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 |
| 453 | CoCoA-5 | | Normal | Automatic conversion from INT (or RAT) to RINGELEM | | 02 Sep 2014 11:15 | | 20 |
| 451 | CoCoA-5 | | Normal | Port function NewSymbol/NewSymbols to CoCoA-5 | | 09 Nov 2015 15:29 | CoCoA-5 function: new | 10 |
| 421 | CoCoA-5 | | Normal | Allow user to give a name to a ring (in C5) | | 18 Jul 2014 15:05 | | 10 |
| 375 | CoCoA-5 | | Normal | allow single function call in "use" : e.g. "Use NewFractionField(R);" | | 02 Sep 2014 11:14 | Parser/Interpreter | 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 |
| 276 | CoCoA-5 | | Normal | TeXmacs interface | | 09 Apr 2014 15:01 | GUI | 0 |
| 274 | CoCoA-5 | | Normal | InputForm for output readable as input | Anna Maria Bigatti | 04 Apr 2014 16:43 | 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 |
| 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 |
| 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 |
| 106 | CoCoA-5 | | Normal | l:f (IDEAL and RINGELEM) -- operator colon | Anna Maria Bigatti | 02 Sep 2014 11:12 | Incomplete function | 10 |

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| 101 | CoCoA-5 | | Normal | rethrow in Try .. UponError .. EndTry | | 23 Oct 2020 10:18 | Parser/Interpreter | 0 |
| 97 | CoCoA-5 | | Normal | OpenOFile | | 20 Oct 2020 18:13 | Parser/Interpreter | 0 |
| 95 | CoCoA-5 | | Normal | Error/warning if fn-proc is neither fn nor proc? | | 15 Jun 2016 14:13 | Parser/Interpreter | 0 |
| 13 | CoCoA-5 | | Normal | (short) manual for emacs interface | | 12 Oct 2016 16:56 | Manual/documentation | 0 |
| 1304 | CoCoA-5 | | Low | Hermite normal form | | 29 Aug 2019 14:43 | | 0 |
| 1293 | CoCoA-5 | | Low | Vim Plugin for CoCoA | | 24 Sep 2021 21:47 | GUI | 70 |
| 857 | CoCoA-5 | | Low | floor, ceil, and NearestInt for RingElem in CoCoA-5? | | 21 Feb 2019 09:17 | enhancing/improving | 0 |
| 737 | CoCoA-5 | | Low | Elementary transcendental functions (sin, cos, tan, log, exp) | | 20 Mar 2017 09:00 | CoCoA-5 function: new | 50 |
| 659 | CoCoA-5 | | Low | Ring ID: separate index values for "system created rings"? | | 23 Jan 2015 14:11 | enhancing/improving | 0 |
| 657 | CoCoA-5 | | Low | use command, ring syntax, RingOf | | 20 Jan 2015 20:32 | enhancing/improving | 0 |
| 653 | CoCoA-5 | | Low | Emacs UI: use "warning colour" for an unmatched */ | | 04 Dec 2014 15:39 | EmacsUI | 0 |
| 299 | CoCoA-5 | | Low | GUI: message "running.." (close to output window?) | | 15 May 2020 10:56 | GUI | 0 |
| 183 | CoCoA-5 | | Low | Template for unaryMinus? | | 25 Jul 2018 17:15 | Parser/Interpreter | 0 |