

## CoCoA-5 - CoCoA-5 Open Issues

| #                    | Target version | Status      | Priority | Subject                                                           | Updated           | % Done | Assignee           |
|----------------------|----------------|-------------|----------|-------------------------------------------------------------------|-------------------|--------|--------------------|
| <b>None (11)</b>     |                |             |          |                                                                   |                   |        |                    |
| 230                  | CoCoA-5.?.?    | New         | Normal   | More curiously slow code -- squaring a polynomial                 | 04 Apr 2014 15:10 | 0      |                    |
| 421                  | CoCoA-5.?.?    | New         | Normal   | Allow user to give a name to a ring (in C5)                       | 18 Jul 2014 15:05 | 10     |                    |
| 422                  | CoCoA-5.?.?    | New         | Normal   | Bug or feature for protected name? (Use command)                  | 04 Apr 2014 15:09 | 0      |                    |
| 633                  | CoCoA-5.?.?    | New         | Normal   | New operations? ScalarProduct(MODULELEM,LIST), MATRIX * MODULELEM | 17 Mar 2017 10:55 | 0      |                    |
| 770                  | CoCoA-5.?.?    | New         | Normal   | CoCoA type "cone"                                                 | 22 May 2017 14:12 | 0      |                    |
| 453                  | CoCoA-5.?.?    | In Progress | Normal   | Automatic conversion from INT (or RAT) to RINGELEM                | 02 Sep 2014 11:15 | 20     |                    |
| 1175                 |                | New         | Normal   | intersection                                                      | 05 Apr 2018 09:29 | 0      |                    |
| 1593                 |                | New         | Normal   | CanonicalHom                                                      | 07 May 2021 08:20 | 0      |                    |
| 1586                 |                | In Progress | Normal   | Profiling with clang                                              | 02 Apr 2021 09:28 | 10     | Anna Maria Bigatti |
| 1751                 |                | In Progress | Normal   | Manual of functions vs ManExamples                                | 03 Jul 2023 20:54 | 10     | Anna Maria Bigatti |
| 1304                 |                | New         | Low      | Hermite normal form                                               | 29 Aug 2019 14:43 | 0      |                    |
| <b>bug (10)</b>      |                |             |          |                                                                   |                   |        |                    |
| 1781                 | CoCoA-5.4.2    | Feedback    | Urgent   | GenReprCompute: SERIOUS ERROR                                     | 09 Feb 2024 08:16 | 90     | Anna Maria Bigatti |
| 1228                 | CoCoA-5.4.2    | In Progress | High     | SLUG: filling an array                                            | 03 Feb 2022 19:42 | 30     | John Abbott        |
| 1229                 | CoCoA-5.4.2    | New         | Normal   | append is slow                                                    | 04 Nov 2021 20:28 | 0      |                    |
| 1406                 | CoCoA-5.4.4    | New         | Normal   | Poor memory management?                                           | 15 Jan 2024 19:51 | 0      |                    |
| 1552                 | CoCoA-5.4.2    | New         | Normal   | subst: not checking args properly                                 | 03 Feb 2022 19:07 | 0      |                    |
| 1574                 | CoCoA-5.4.2    | New         | Normal   | ApproxSolveTF                                                     | 24 Sep 2021 22:29 | 0      |                    |
| 1502                 | CoCoA-5.4.2    | In Progress | Normal   | SystemCommand in Microsoft version                                | 03 Feb 2022 19:46 | 50     | John Abbott        |
| 1639                 | CoCoA-5.4.2    | New         | Normal   | RealRoots: crashes after interrupting                             | 07 Dec 2021 20:26 | 0      |                    |
| 1604                 | CoCoA-5.4.2    | In Progress | Normal   | SqFreeFactor crashes over non-perfect field                       | 28 Sep 2022 15:00 | 10     |                    |
| 1794                 | CoCoA-5.4.2    | Resolved    | Normal   | Strange bug: demo-Osaka2015                                       | 19 Apr 2024 22:10 | 70     |                    |
| <b>Cleaning (15)</b> |                |             |          |                                                                   |                   |        |                    |
| 474                  | CoCoA-5.4.2    | In Progress | Urgent   | Eliminate package BinRepr                                         | 03 Feb 2022 19:47 | 50     | Anna Maria Bigatti |
| 465                  | CoCoA-5.4.2    | New         | Normal   | Emacs UI; remove cruft                                            | 13 Nov 2020 11:17 | 0      |                    |
| 477                  | CoCoA-5.?.?    | New         | Normal   | Eliminate keyword Alias?                                          | 04 Apr 2014 14:31 | 0      |                    |
| 480                  | CoCoA-5.?.?    | New         | Normal   | gcd too slow for large degree univariate poly                     | 30 Oct 2019 22:44 | 0      |                    |

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|------------------------------------------|----------------|-------------|----------|------------------------------------------------------------------|-------------------|--------|--------------------|
| 376                                      | CoCoA-5.?.?    | In Progress | Normal   | Hilbert: Redesign hp.cpkg5 and public functions in TmpHilbert.C  | 06 Aug 2020 12:21 | 10     | Anna Maria Bigatti |
| 491                                      | CoCoA-5.?.?    | In Progress | Normal   | Cleaning: Cruft in CoCoA-5 packages                              | 25 Jul 2018 14:26 | 20     |                    |
| 1192                                     | CoCoA-5.4.2    | New         | Normal   | RealRoots: rational roots (but not binary rational roots)        | 04 Nov 2021 20:29 | 0      |                    |
| 1351                                     | CoCoA-5.?.?    | New         | Normal   | Clean up package points.cpkg                                     | 25 Oct 2019 13:34 | 0      |                    |
| 929                                      | CoCoA-5.4.2    | In Progress | Normal   | Clean up CoCoALibSupplement                                      | 03 Feb 2022 19:48 | 20     | Anna Maria Bigatti |
| 989                                      | CoCoA-5.?.?    | In Progress | Normal   | init file obligatory?                                            | 01 Dec 2016 11:36 | 10     |                    |
| 1648                                     | CoCoA-5.4.2    | New         | Normal   | ApproxSolve and RationalSolve take different input               | 03 Feb 2022 19:08 | 0      |                    |
| 1679                                     | CoCoA-5.4.2    | New         | Normal   | BuiltinFunctions-GFan includes normaliz?!?                       | 20 Apr 2022 21:49 | 0      |                    |
| 1760                                     | CoCoA-5.4.2    | In Progress | Normal   | Quitting can be slow                                             | 06 Aug 2023 12:16 | 50     |                    |
| 1746                                     | CoCoA-5.4.2    | Feedback    | Normal   | ManExamples target: need t reset VerbosityLevel                  | 22 Dec 2023 20:09 | 90     | Anna Maria Bigatti |
| 476                                      | CoCoA-5.4.2    | In Progress | Low      | Review utility of package IO                                     | 03 Feb 2022 19:09 | 40     | Anna Maria Bigatti |
| <b>CoCoA-4 function to be added (17)</b> |                |             |          |                                                                  |                   |        |                    |
| 1246                                     | CoCoA-5.4.4    | Feedback    | Urgent   | Revive old CoCoA4 package called "cocoa5.cpkg"                   | 14 Mar 2023 11:58 | 90     | Anna Maria Bigatti |
| 171                                      | CoCoA-5.?.?    | New         | High     | Negate LIST, MAT,...                                             | 04 Apr 2014 16:27 | 0      |                    |
| 388                                      | CoCoA-5.?.?    | New         | High     | port optimized resolutions to CoCoA-5                            | 02 Jul 2014 16:13 | 0      | Anna Maria Bigatti |
| 78                                       | CoCoA-5.4.2    | In Progress | High     | Elim ordering and matrix ordering in CoCoA-5                     | 28 Mar 2024 07:25 | 50     | Anna Maria Bigatti |
| 454                                      | CoCoA-5.?.?    | New         | Normal   | interpolate                                                      | 04 Apr 2014 16:24 | 0      | John Abbott        |
| 487                                      | CoCoA-5.?.?    | New         | Normal   | ScalarProduct accepts MatrixRow?                                 | 18 Jun 2019 15:22 | 0      |                    |
| 501                                      | CoCoA-5.?.?    | New         | Normal   | Toric: resurrect function TestSet (and find better name for it?) | 09 Apr 2014 15:53 | 0      | Anna Maria Bigatti |
| 512                                      | CoCoA-5.?.?    | New         | Normal   | Resurrect MakeCheck()                                            | 28 Jul 2014 16:20 | 0      | Anna Maria Bigatti |
| 702                                      | CoCoA-5.?.?    | New         | Normal   | Add more operations for modules                                  | 15 May 2015 09:05 | 0      | Anna Maria Bigatti |
| 175                                      | CoCoA-5.4.4    | In Progress | Normal   | Approximate BuchbergerMoeller: port to CoCoA-5                   | 14 Mar 2023 22:12 | 70     | Anna Maria Bigatti |
| 368                                      | CoCoA-5.4.2    | In Progress | Normal   | port SmithNormalForm (CoCoA-4)package to CoCoA-5                 | 22 Jan 2024 10:37 | 10     | Anna Maria Bigatti |
| 412                                      | CoCoA-5.?.?    | In Progress | Normal   | intersection (all lower case)                                    | 28 Jul 2014 17:41 | 20     | Anna Maria Bigatti |

| #                                     | Target version | Status      | Priority | Subject                                                  | Updated           | % Done | Assignee           |
|---------------------------------------|----------------|-------------|----------|----------------------------------------------------------|-------------------|--------|--------------------|
| 614                                   | CoCoA-5.?.?    | In Progress | Normal   | Add functions based on MayerVietorisTree                 | 04 Sep 2014 14:05 | 10     | Anna Maria Bigatti |
| 960                                   | CoCoA-5.?.?    | New         | Normal   | New function: IdealAndSeparatorsOfPoints                 | 02 Nov 2016 18:06 | 0      |                    |
| 1564                                  | CoCoA-5.4.2    | New         | Normal   | Geometrical theorem proving package                      | 19 Jan 2021 09:20 | 0      |                    |
| 977                                   | CoCoA-5.4.2    | In Progress | Normal   | "universal denominator" (related with GroebnerFanIdeals) | 03 Feb 2022 19:11 | 20     |                    |
| 1415                                  | CoCoA-5.4.2    | In Progress | Normal   | thmproving package                                       | 13 Jun 2022 15:31 | 60     | Anna Maria Bigatti |
| <b>CoCoA-4 function: obsolete (2)</b> |                |             |          |                                                          |                   |        |                    |
| 1568                                  | CoCoA-5.4.2    | In Progress | High     | RMap and image: obsolescent?                             | 17 Oct 2022 14:04 | 40     | Anna Maria Bigatti |
| 1626                                  | CoCoA-5.4.2    | Feedback    | Normal   | NewMat: should be obsolescent?                           | 19 Jan 2024 18:11 | 90     | John Abbott        |
| <b>CoCoA-5 function: new (32)</b>     |                |             |          |                                                          |                   |        |                    |
| 235                                   | CoCoA-5.?.?    | New         | Normal   | Add LucasTest to cocoa5?                                 | 04 Apr 2014 16:38 | 0      |                    |
| 483                                   | CoCoA-5.?.?    | New         | Normal   | Unique copies of rings in CoCoA-5                        | 04 Apr 2014 16:42 | 0      |                    |
| 492                                   | CoCoA-5.?.?    | New         | Normal   | New C5 fn for adjusting the warning level                | 22 Jul 2014 12:38 | 0      |                    |
| 626                                   | CoCoA-5.?.?    | New         | Normal   | Output Betti numbers                                     | 17 Sep 2014 13:11 | 0      |                    |
| 753                                   | CoCoA-5.?.?    | New         | Normal   | New function: LeastDegPolynomial (LDP)                   | 30 Jul 2015 17:29 | 0      |                    |
| 216                                   | CoCoA-5.4.2    | In Progress | Normal   | Janet Bases: port function into CoCoA-5                  | 05 Nov 2021 16:12 | 20     |                    |
| 242                                   | CoCoA-5.4.2    | In Progress | Normal   | CoCoA-5 Projects for students (e.g. crediti F and tesi)  | 21 Oct 2022 15:53 | 10     |                    |
| 274                                   | CoCoA-5.?.?    | In Progress | Normal   | InputForm for output readable as input                   | 04 Apr 2014 16:43 | 10     | Anna Maria Bigatti |
| 451                                   | CoCoA-5.?.?    | In Progress | Normal   | Port function NewSymbol/NewSymbols to CoCoA-5            | 09 Nov 2015 15:29 | 10     |                    |
| 504                                   | CoCoA-5.?.?    | In Progress | Normal   | New operators: += -= *= /=                               | 25 Oct 2019 11:55 | 20     | John Abbott        |
| 578                                   | CoCoA-5.4.2    | In Progress | Normal   | Gaussian Elimination                                     | 15 May 2020 10:26 | 10     |                    |
| 579                                   | CoCoA-5.4.2    | In Progress | Normal   | Prototype package for Linear Commutative Algebra         | 15 May 2020 10:27 | 10     | Elisa Palezzato    |
| 731                                   | CoCoA-5.?.?    | In Progress | Normal   | Primary Decomposition in CoCoA-5                         | 02 Oct 2017 13:30 | 10     |                    |
| 964                                   | CoCoA-5.?.?    | New         | Normal   | New function: MakeMultiset?                              | 25 Jul 2018 15:35 | 0      | Anna Maria Bigatti |
| 1107                                  | CoCoA-5.?.?    | New         | Normal   | CoCoA Online: install (using InteractiveShell)           | 16 Oct 2017 16:54 | 10     | Anna Maria Bigatti |
| 1153                                  | CoCoA-5.?.?    | New         | Normal   | New function: gin for algebraic extensions               | 25 Jul 2018 15:36 | 0      | Anna Maria Bigatti |
| 1285                                  | CoCoA-5.?.?    | New         | Normal   | New Fn: make a homogeneous list of ringelem              | 23 May 2019 11:53 | 0      |                    |
| 1305                                  | CoCoA-5.?.?    | New         | Normal   | Create a directory                                       | 02 Sep 2019 16:31 | 10     |                    |

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|---------------------|----------------|-------------|----------|----------------------------------------------------------------------------------------------|-------------------|--------|--------------------|
| 1469                | CoCoA-5.4.2    | New         | Normal   | Get indexed indets from a polyring                                                           | 19 Jan 2021 12:39 | 0      |                    |
| 1476                | CoCoA-5.4.2    | New         | Normal   | Lin alg with polys                                                                           | 06 Aug 2020 15:03 | 0      |                    |
| 1541                | CoCoA-5.4.2    | New         | Normal   | foreach with ref to list entry?                                                              | 15 Jan 2024 19:39 | 0      |                    |
| 980                 | CoCoA-5.?.?    | In Progress | Normal   | CoeffSize: function to measure the size of coeffs in a poly                                  | 28 Nov 2023 22:29 | 20     |                    |
| 993                 | CoCoA-5.?.?    | In Progress | Normal   | New function: RingQQi()? extension of QQ with imaginary unit                                 | 13 Nov 2017 15:05 | 0      |                    |
| 1372                | CoCoA-5.4.2    | In Progress | Normal   | New function: find ?                                                                         | 04 Nov 2021 23:01 | 10     | Anna Maria Bigatti |
| 1535                | CoCoA-5.4.2    | In Progress | Normal   | New functions: argmin, argmax                                                                | 26 Nov 2020 15:52 | 10     |                    |
| 1549                | CoCoA-5.4.2    | In Progress | Normal   | Add sagbi package                                                                            | 18 Feb 2022 16:18 | 10     | Anna Maria Bigatti |
| 1596                | CoCoA-5.4.4    | Resolved    | Normal   | Add CoCoA5 function NmzHilbertBasisKer                                                       | 14 Mar 2023 14:59 | 80     | Anna Maria Bigatti |
| 1659                | CoCoA-5.4.2    | New         | Normal   | Jordan Normal Form?                                                                          | 07 Feb 2022 17:57 | 0      |                    |
| 1732                | CoCoA-5.4.4    | New         | Normal   | EvalPolyAtMat                                                                                | 28 Mar 2023 16:35 | 0      |                    |
| 1806                | CoCoA-5.4.4    | New         | Normal   | New function ModuleElms? (like RingElms(RING, STRING))                                       | 26 Mar 2024 13:44 | 0      |                    |
| 1644                | CoCoA-5.4.2    | In Progress | Normal   | Allow user to choose whether to print finite field elems as symm residues or non-neg residue | 03 Feb 2022 19:15 | 10     |                    |
| 737                 | CoCoA-5.?.?    | In Progress | Low      | Elementary transcendental functions (sin, cos, tan, log, exp)                                | 20 Mar 2017 09:00 | 50     |                    |
| <b>EmacsUI (19)</b> |                |             |          |                                                                                              |                   |        |                    |
| 434                 | CoCoA-5.?.?    | New         | Normal   | Emacs UI: very slow when input file is big (with long lines)                                 | 09 Apr 2014 15:52 | 0      |                    |
| 148                 | CoCoA-5.?.?    | In Progress | Normal   | C-c C-p in emacs goes to wrong line                                                          | 06 Oct 2022 20:15 | 20     |                    |
| 985                 | CoCoA-5.4.2    | New         | Normal   | Microsoft (Windows 10, maybe other versions): more help for installation                     | 16 Feb 2022 20:26 | 10     | Anna Maria Bigatti |
| 1432                | CoCoA-5.4.2    | New         | Normal   | Emacs UI: cocoa5-shell-check-process vs. process-status                                      | 05 Nov 2021 16:32 | 0      |                    |
| 1363                | CoCoA-5.4.4    | In Progress | Normal   | Emacs UI: slow with long lines                                                               | 15 Jan 2024 19:32 | 10     |                    |
| 448                 | CoCoA-5.4.2    | New         | Low      | EmacsUI Source/SourceRegion produce warning on Microsoft Windows 7 Ultimate                  | 03 Feb 2022 19:51 | 0      |                    |
| 468                 | CoCoA-5.?.?    | New         | Low      | Emacs UI: indentation is wrong after ?keyword                                                | 17 Apr 2014 18:47 | 0      |                    |
| 653                 | CoCoA-5.?.?    | New         | Low      | Emacs UI: use "warning colour" for an unmatched */                                           | 04 Dec 2014 15:39 | 0      |                    |
| 660                 | CoCoA-5.?.?    | New         | Low      | Emacs UI: endfunc does not indent the line                                                   | 04 Mar 2020 22:06 | 0      |                    |
| 663                 | CoCoA-5.?.?    | New         | Low      | Emacs UI: C-c C-\ copies line cursor is on                                                   | 04 Feb 2015 13:19 | 0      |                    |
| 671                 | CoCoA-5.?.?    | New         | Low      | Emacs UI: swapped splitting                                                                  | 09 Mar 2015 13:49 | 0      | Anna Maria Bigatti |
| 727                 | CoCoA-5.4.2    | New         | Low      | Emacs UI: send-file (C-c C-f) should check if buffer and file are synchronized               | 09 Feb 2021 15:22 | 0      |                    |
| 424                 | CoCoA-5.?.?    | In Progress | Low      | Emacs UI: Name of emacs init file                                                            | 22 Jul 2014 11:21 | 10     | Anna Maria Bigatti |

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|---------------------------------|----------------|-------------|----------|--------------------------------------------------------------------------------|-------------------|--------|--------------------|
| 772                             | CoCoA-5.?.?    | In Progress | Low      | Emacs UI: send-region and send-line make sense inside a cpkg5 file?            | 08 Sep 2015 12:49 | 20     |                    |
| 469                             | CoCoA-5.4.4    | Resolved    | Low      | Emacs UI: keywords in multiline comments                                       | 15 Jan 2024 19:49 | 20     |                    |
| 1076                            | CoCoA-5.?.?    | New         | Low      | EmacsUI: interrupt copies line cursor is on to bottom then interrupts          | 12 Jun 2017 18:27 | 0      |                    |
| 1551                            | CoCoA-5.4.2    | New         | Low      | Emacs: avoid making buffer visible in 2 "windows"?                             | 19 Apr 2021 14:11 | 0      |                    |
| 1486                            | CoCoA-5.4.2    | In Progress | Low      | Emacs UI: indentation in a package                                             | 12 Nov 2021 11:19 | 10     |                    |
| 1623                            | CoCoA-5.4.2    | Feedback    | Low      | EmacsUI: annoying colours                                                      | 19 Jan 2024 16:50 | 90     | Anna Maria Bigatti |
| <b>enhancing/improving (70)</b> |                |             |          |                                                                                |                   |        |                    |
| 600                             | CoCoA-5.?.?    | New         | Normal   | efficient subalgebras                                                          | 30 Jul 2014 17:29 | 0      | Anna Maria Bigatti |
| 646                             | CoCoA-5.?.?    | New         | Normal   | Unique copies of free modules?                                                 | 10 Nov 2014 16:42 | 0      |                    |
| 655                             | CoCoA-5.?.?    | New         | Normal   | MakeSet can be very slow                                                       | 20 Jan 2015 17:12 | 0      |                    |
| 656                             | CoCoA-5.?.?    | New         | Normal   | eval: in which ring should the result be?                                      | 20 Jan 2015 20:25 | 0      |                    |
| 723                             | CoCoA-5.4.2    | New         | Normal   | Referring to indets with multiple indices from a polyring                      | 12 Feb 2021 12:16 | 0      |                    |
| 862                             | CoCoA-5.?.?    | New         | Normal   | append has bad complexity                                                      | 05 Apr 2016 13:40 | 0      |                    |
| 865                             | CoCoA-5.4.2    | New         | Normal   | Implicit: make easier to use with rational functions                           | 03 Feb 2022 19:20 | 0      | Anna Maria Bigatti |
| 876                             | CoCoA-5.?.?    | New         | Normal   | subst: allowed also for indets in the coeff ring                               | 07 May 2016 13:59 | 0      |                    |
| 879                             | CoCoA-5.?.?    | New         | Normal   | LOGAR: make CoCoA-5 easier to use                                              | 09 May 2016 15:30 | 0      |                    |
| 888                             | CoCoA-5.?.?    | New         | Normal   | Escaped newline to allow a long line to be split into several "physical lines" | 07 Jun 2016 00:26 | 0      |                    |
| 916                             | CoCoA-5.?.?    | New         | Normal   | use command: unhelpful error if you use := instead of ::=                      | 20 Oct 2020 17:50 | 0      |                    |
| 917                             | CoCoA-5.?.?    | New         | Normal   | CallOnGroebnerFanIdeals: better to use an iterator (or a "stream")             | 26 Nov 2016 17:46 | 0      |                    |
| 875                             | CoCoA-5.?.?    | In Progress | Normal   | Interpreter is too slow reading a big polynomial                               | 20 Oct 2020 18:05 | 10     |                    |
| 941                             | CoCoA-5.?.?    | New         | Normal   | Improve coverage of CoCoA-5 tests                                              | 10 Oct 2016 21:09 | 0      |                    |
| 984                             | CoCoA-5.?.?    | New         | Normal   | GroebnerFanIdeals: order matrices sometimes have "large" entries               | 22 Nov 2021 20:19 | 0      |                    |
| 1138                            | CoCoA-5.?.?    | New         | Normal   | Latex: matrix                                                                  | 11 Dec 2017 16:45 | 0      | Anna Maria Bigatti |
| 1116                            | CoCoA-5.?.?    | New         | Normal   | Port RowMat, ColMat, MatByRows,... to CoCoA-5                                  | 01 Oct 2019 14:40 | 0      | Anna Maria Bigatti |
| 1204                            | CoCoA-5.4.2    | New         | Normal   | MinPoly for matrix: fix in cocoa5 and export to cocoa5                         | 03 Feb 2022 19:21 | 0      |                    |
| 1237                            | CoCoA-5.4.2    | New         | Normal   | ker: for PolyAlgHom from $QQ[x,y,z]$ to $QQ(t)$                                | 10 Jun 2021 18:06 | 0      |                    |
| 1313                            | CoCoA-5.4.2    | New         | Normal   | Automatic conversion from RINGELEM to INT                                      | 03 Feb 2022 19:21 | 0      |                    |
| 1425                            | CoCoA-5.4.2    | New         | Normal   | MakeTerm: implement in C++                                                     | 03 Feb 2022 19:22 | 0      |                    |
| 1429                            | CoCoA-5.4.2    | New         | Normal   | Stack overflow reading long list (SEGV)                                        | 19 Apr 2021 14:14 | 0      |                    |

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|------|----------------|-------------|----------|-----------------------------------------------------------------------|-------------------|--------|--------------------|
| 1475 | CoCoA-5.4.2    | New         | Normal   | HilbertSeries: make into proper rational function                     | 03 Feb 2022 19:54 | 0      |                    |
| 1503 | CoCoA-5.4.2    | New         | Normal   | More flexible ring creation syntax (after use or ::=)                 | 08 Oct 2020 14:16 | 0      |                    |
| 1519 | CoCoA-5.4.2    | New         | Normal   | Interpreter fn Value::from can use std::move?                         | 03 Feb 2022 19:54 | 0      |                    |
| 1556 | CoCoA-5.4.2    | New         | Normal   | DivAlg slower than NR                                                 | 08 Jan 2021 11:20 | 10     | Anna Maria Bigatti |
| 1560 | CoCoA-5.4.2    | New         | Normal   | elim for modules                                                      | 03 Feb 2022 19:55 | 0      |                    |
| 1578 | CoCoA-5.4.4    | New         | Normal   | SLUG: RationalSolve slow and stupid                                   | 15 Jan 2024 19:27 | 0      |                    |
| 1581 | CoCoA-5.4.2    | New         | Normal   | Slow sqfr: rad(f)                                                     | 12 Oct 2021 09:22 | 0      |                    |
| 1583 | CoCoA-5.4.2    | New         | Normal   | New fn ElapsedTimeFrom?                                               | 18 Mar 2024 21:27 | 0      |                    |
| 1003 | CoCoA-5.?.?    | In Progress | Normal   | New syntax for creating poly rings?                                   | 27 Jan 2017 15:54 | 10     |                    |
| 1025 | CoCoA-5.?.?    | In Progress | Normal   | Example of slow LEX GBasis computation                                | 15 Nov 2017 14:57 | 10     |                    |
| 1041 | CoCoA-5.4.2    | In Progress | Normal   | Separators for elements of a list                                     | 04 Jan 2024 10:14 | 10     |                    |
| 1068 | CoCoA-5.?.?    | In Progress | Normal   | PolyRing constructor: NewOrdvArith computed twice                     | 21 Mar 2024 11:55 | 10     |                    |
| 1071 | CoCoA-5.4.2    | In Progress | Normal   | LinKerBasis is user-unfriendly                                        | 03 Feb 2022 19:54 | 10     |                    |
| 1104 | CoCoA-5.4.2    | In Progress | Normal   | Eigenvectors: inconsistent return type                                | 03 Feb 2022 19:20 | 10     | John Abbott        |
| 1129 | CoCoA-5.?.?    | In Progress | Normal   | Generic Timeout for CoCoA-5?                                          | 28 Nov 2017 18:06 | 10     |                    |
| 1244 | CoCoA-5.4.2    | In Progress | Normal   | MSatLinSolve: req minor improvements                                  | 03 Feb 2022 20:14 | 10     |                    |
| 1262 | CoCoA-5.4.2    | In Progress | Normal   | Split BuiltinFunctions-CoCoALib.C into smaller files                  | 03 Feb 2022 19:53 | 30     |                    |
| 1271 | CoCoA-5.?.?    | In Progress | Normal   | Allow Interruption of printing?                                       | 17 Apr 2019 10:17 | 10     |                    |
| 1296 | CoCoA-5.?.?    | In Progress | Normal   | Matrixrow-functions                                                   | 18 Jun 2019 15:15 | 10     |                    |
| 1403 |                | In Progress | Normal   | RingID: remove this function?                                         | 24 Jan 2020 21:20 | 10     |                    |
| 1508 | CoCoA-5.4.2    | In Progress | Normal   | Initial ring                                                          | 04 Nov 2021 23:04 | 20     |                    |
| 1622 | CoCoA-5.4.4    | New         | Normal   | BuiltinOneLiners -- less precise location in error messages           | 18 Mar 2024 21:16 | 0      |                    |
| 1624 | CoCoA-5.4.4    | New         | Normal   | CantStop playing CantStop                                             | 15 Jan 2024 19:55 | 0      |                    |
| 1631 | CoCoA-5.4.2    | New         | Normal   | Use filesystem::path instead of string (packageDir, CoCoAManFileName) | 14 Jan 2022 10:27 | 0      |                    |
| 1634 | CoCoA-5.4.2    | New         | Normal   | Unexpected or unhelpful error using GroebnerFanIdeals                 | 23 Nov 2021 17:15 | 0      |                    |
| 1638 | CoCoA-5.4.2    | New         | Normal   | MinSubsetOfGens sometimes very slow                                   | 06 Dec 2021 20:37 | 0      |                    |
| 1671 | CoCoA-5.4.2    | New         | Normal   | Refactor C++ impl in OnlineHelp                                       | 11 Mar 2024 07:56 | 0      |                    |
| 1747 | CoCoA-5.4.2    | New         | Normal   | NewPolyRing with indices -- better interface?                         | 29 Jun 2023 18:09 | 0      |                    |
| 1752 | CoCoA-5.4.4    | New         | Normal   | Make it easy to run the tests in a public/distrib version             | 06 Jul 2023 12:14 | 0      |                    |
| 1762 | CoCoA-5.4.4    | New         | Normal   | CoCoA web site "analytics"                                            | 21 Aug 2023 18:20 | 10     | Anna Maria Bigatti |
| 1772 | CoCoA-5.4.2    | New         | Normal   | Continued fraction: arg type RAT or RAT/INT?                          | 28 Nov 2023 22:17 | 0      |                    |

| #                        | Target version | Status      | Priority | Subject                                                                          | Updated           | % Done | Assignee           |
|--------------------------|----------------|-------------|----------|----------------------------------------------------------------------------------|-------------------|--------|--------------------|
| 1681                     | CoCoA-5.4.2    | In Progress | Normal   | Should Starting be case-insensitive?                                             | 22 Dec 2023 11:27 | 20     | Anna Maria Bigatti |
| 1728                     | CoCoA-5.4.4    | In Progress | Normal   | Refine Poset impl & doc                                                          | 21 Mar 2023 03:33 | 10     |                    |
| 1731                     | CoCoA-5.4.4    | In Progress | Normal   | Verbosity level in CoCoA5                                                        | 11 May 2023 07:34 | 70     | Anna Maria Bigatti |
| 1795                     | CoCoA-5.4.2    | Feedback    | Normal   | Makefile problem: needlessly relinks CoCoAInterpreter                            | 18 Mar 2024 20:51 | 90     | John Abbott        |
| 610                      | CoCoA-5.4.2    | New         | Low      | Variable lt: assign before or after printing                                     | 04 Nov 2021 20:34 | 0      |                    |
| 657                      | CoCoA-5.?.?    | New         | Low      | use command, ring syntax, RingOf                                                 | 20 Jan 2015 20:32 | 0      |                    |
| 659                      | CoCoA-5.?.?    | New         | Low      | Ring ID: separate index values for "system created rings"?                       | 23 Jan 2015 14:11 | 0      |                    |
| 857                      | CoCoA-5.?.?    | New         | Low      | floor, ceil, and NearestInt for RingElem in CoCoA-5?                             | 21 Feb 2019 09:17 | 0      |                    |
| 716                      | CoCoA-5.4.2    | In Progress | Low      | NotBuiltin.cpkg5: indent for MODULE                                              | 06 Oct 2022 20:00 | 10     |                    |
| 1034                     | CoCoA-5.?.?    | New         | Low      | Improve error message when args to (infix operator) lsln have incompatible types | 17 Mar 2017 13:19 | 0      |                    |
| 1141                     | CoCoA-5.4.2    | New         | Low      | lslnRadical: for monomial ideals                                                 | 15 May 2020 10:53 | 0      |                    |
| 1275                     | CoCoA-5.?.?    | New         | Low      | incr and decr are slow                                                           | 29 Apr 2019 17:53 | 0      |                    |
| 1291                     | CoCoA-5.?.?    | New         | Low      | LinearSimplify: sometimes not optimal                                            | 27 May 2019 21:17 | 0      |                    |
| 1545                     | CoCoA-5.4.2    | New         | Low      | CoeffOfTerm: in CoCoALibSupplement                                               | 11 Dec 2020 12:30 | 20     |                    |
| 1496                     | CoCoA-5.4.2    | In Progress | Low      | Use "special" names for variables inside tests                                   | 12 Nov 2021 10:06 | 10     |                    |
| 1533                     | CoCoA-5.4.2    | In Progress | Low      | RingElem and IndetSymbols not compatible                                         | 06 Nov 2020 13:56 | 10     |                    |
| 1722                     | CoCoA-5.?.?    | In Progress | Low      | Daft slug                                                                        | 27 Feb 2023 12:57 | 20     |                    |
| <b>External Libs (3)</b> |                |             |          |                                                                                  |                   |        |                    |
| 709                      | CoCoA-5.4.2    | In Progress | High     | Speed of some Normaliz calls (NmzComputation)                                    | 03 Feb 2022 19:23 | 10     |                    |
| 720                      | CoCoA-5.?.?    | New         | Normal   | External libs: specifying I/O streams (initialization?)                          | 22 May 2015 14:14 | 0      |                    |
| 712                      | CoCoA-5.?.?    | In Progress | Normal   | External Libs: missing dependencies in Makefiles                                 | 01 Oct 2019 14:31 | 10     | John Abbott        |
| <b>GUI (12)</b>          |                |             |          |                                                                                  |                   |        |                    |
| 38                       | CoCoA-5.?.?    | New         | Normal   | GUI: open file "with C5"                                                         | 09 Apr 2014 15:00 | 0      |                    |
| 133                      | CoCoA-5.?.?    | New         | Normal   | Qt GUI: Make better distinction between input and output in the output window    | 12 Mar 2021 09:39 | 0      |                    |
| 136                      | CoCoA-5.?.?    | New         | Normal   | GUI: Add an edit menu to the top bar (CoCoA GUI on MacOS)                        | 02 Jul 2014 16:56 | 0      |                    |
| 198                      | CoCoA-5.?.?    | New         | Normal   | Appunti per (eventuale) tesi triennale Informatica: CoCoA GUI                    | 30 Sep 2022 19:05 | 0      |                    |
| 276                      | CoCoA-5.?.?    | New         | Normal   | TeXmacs interface                                                                | 09 Apr 2014 15:01 | 0      |                    |
| 527                      | CoCoA-5.?.?    | New         | Normal   | GUI: better name for the graphical interface?                                    | 27 Jul 2015 19:25 | 0      |                    |
| 1393                     | CoCoA-5.4.2    | Feedback    | Normal   | GUI with Qt5                                                                     | 30 Nov 2022 22:07 | 90     | Ulrich von der Ohe |
| 299                      | CoCoA-5.?.?    | New         | Low      | GUI: message "running.." (close to output window?)                               | 15 May 2020 10:56 | 0      |                    |

| #                                | Target version | Status      | Priority  | Subject                                                                      | Updated           | % Done | Assignee           |
|----------------------------------|----------------|-------------|-----------|------------------------------------------------------------------------------|-------------------|--------|--------------------|
| 611                              | CoCoA-5.?.?    | New         | Low       | GUI: gutting provokes Imminent Disaster                                      | 28 Feb 2024 21:24 | 0      |                    |
| 1093                             | CoCoA-5.?.?    | In Progress | Low       | GUI: bugs and slugs                                                          | 18 Aug 2022 15:36 | 10     | John Abbott        |
| 1293                             | CoCoA-5.4.2    | Resolved    | Low       | Vim Plugin for CoCoA                                                         | 24 Sep 2021 21:47 | 70     |                    |
| 1713                             | CoCoA-5.?.?    | In Progress | Low       | Windows: Qt-Gui does not link correctly                                      | 25 Feb 2024 20:42 | 50     | Nico Mexis         |
| <b>Incomplete function (5)</b>   |                |             |           |                                                                              |                   |        |                    |
| 96                               | CoCoA-5.?.?    | New         | Normal    | sort is too slow                                                             | 28 May 2021 20:40 | 0      | John Abbott        |
| 100                              | CoCoA-5.?.?    | New         | Normal    | BringIn should map only the indets in its arg                                | 26 Sep 2022 20:25 | 0      |                    |
| 920                              | CoCoA-5.?.?    | New         | Normal    | Empty matrix: warning, error, or empty matrix?                               | 08 Sep 2016 11:45 | 10     |                    |
| 106                              | CoCoA-5.?.?    | In Progress | Normal    | l:f (IDEAL and RINGELEM) -- operator colon                                   | 02 Sep 2014 11:12 | 10     | Anna Maria Bigatti |
| 1805                             | CoCoA-5.4.4    | New         | Normal    | Add CoCoA-5 syntax: syz(<F,> list of ModuleElem)                             | 26 Mar 2024 12:16 | 0      | Anna Maria Bigatti |
| <b>Manual/documentation (36)</b> |                |             |           |                                                                              |                   |        |                    |
| 1534                             | CoCoA-5.4.2    | In Progress | Immediate | Install CoCoA-5 on MacOS-10.15+                                              | 07 Oct 2022 14:35 | 50     |                    |
| 912                              | CoCoA-5.4.2    | In Progress | Urgent    | Add TUTORIALs to online manual                                               | 17 Oct 2022 14:02 | 80     |                    |
| 322                              | CoCoA-5.4.2    | In Progress | High      | Installation instructions (on website)                                       | 13 Jun 2022 15:32 | 60     | Anna Maria Bigatti |
| 1741                             | CoCoA-5.4.2    | In Progress | High      | Documentation/Manual for HilbertFn                                           | 10 May 2023 20:49 | 20     |                    |
| 13                               | CoCoA-5.?.?    | New         | Normal    | (short) manual for emacs interface                                           | 12 Oct 2016 16:56 | 0      |                    |
| 323                              | CoCoA-5.?.?    | New         | Normal    | system variables                                                             | 04 Apr 2014 17:06 | 0      |                    |
| 557                              | CoCoA-5.4.2    | New         | Normal    | CoCoAManual: improve part on input/output                                    | 03 Feb 2022 20:15 | 0      | Anna Maria Bigatti |
| 677                              | CoCoA-5.?.?    | New         | Normal    | Credits to CoCoA-5 contributors                                              | 15 Nov 2019 15:28 | 0      |                    |
| 177                              | CoCoA-5.4.4    | In Progress | Normal    | CoCoAManual: General part of the documentation is obsolete: update? discard? | 10 Mar 2023 17:02 | 70     | Anna Maria Bigatti |
| 296                              | CoCoA-5.?.?    | In Progress | Normal    | Documentation for Parser/Interpreter                                         | 09 Apr 2014 17:22 | 10     | Anna Maria Bigatti |
| 1031                             | CoCoA-5.?.?    | New         | Normal    | ScalarProduct: exact defn and manual page                                    | 17 Mar 2017 11:03 | 0      |                    |
| 1054                             | CoCoA-5.?.?    | New         | Normal    | CoCoAManual: improved search, or improved selection of "see also" pages      | 28 Apr 2017 11:42 | 0      |                    |
| 1241                             | CoCoA-5.4.2    | New         | Normal    | GDPR: website, mailing list                                                  | 05 Feb 2022 20:34 | 0      |                    |
| 1245                             | CoCoA-5.4.2    | New         | Normal    | Online manual entry for RingElem needs to be improved                        | 03 Feb 2022 20:15 | 0      |                    |
| 1252                             | CoCoA-5.4.2    | New         | Normal    | ShapeLemma: no manual entry                                                  | 03 Feb 2022 20:16 | 0      |                    |
| 1320                             | CoCoA-5.4.2    | New         | Normal    | CoCoA-5 manual: incorrect empty line in syntax box (in PDF file)             | 04 Nov 2021 23:16 | 0      |                    |
| 1350                             | CoCoA-5.4.2    | New         | Normal    | CoCoA manual: entry for operators, shortcuts                                 | 05 Feb 2022 20:35 | 0      |                    |



| #    | Target version | Status      | Priority | Subject                                                     | Updated           | % Done | Assignee           |
|------|----------------|-------------|----------|-------------------------------------------------------------|-------------------|--------|--------------------|
| 1365 | CoCoA-5.4.2    | New         | Normal   | Package Edgeldeal not documented                            | 03 Feb 2022 20:16 | 0      |                    |
| 1418 | CoCoA-5.4.2    | New         | Normal   | Manual entry for NewPolyRing                                | 03 Feb 2022 20:16 | 0      |                    |
| 1430 | CoCoA-5.4.2    | New         | Normal   | HTML manual: search using keywords?                         | 04 Nov 2021 23:17 | 0      |                    |
| 1454 | CoCoA-5.4.2    | New         | Normal   | Filenames in release CoCoAManual/html containing [obsolete] | 03 Feb 2022 20:17 | 0      | Anna Maria Bigatti |
| 1480 | CoCoA-5.4.2    | New         | Normal   | Documentation for making ring with parameters               | 03 Feb 2022 20:18 | 0      |                    |
| 1548 | CoCoA-5.4.2    | New         | Normal   | Man page for UniversalGBasis                                | 03 Feb 2022 20:18 | 0      | Anna Maria Bigatti |
| 1566 | CoCoA-5.4.2    | New         | Normal   | What does rad do?                                           | 21 Jan 2021 13:46 | 0      |                    |
| 943  | CoCoA-5.?.?    | In Progress | Normal   | Managing credits                                            | 16 May 2017 14:49 | 10     |                    |
| 1079 | CoCoA-5.4.2    | In Progress | Normal   | CoCoAManual: AffHilbertFn accepts also ideal (correct?)     | 08 May 2023 20:44 | 20     |                    |
| 1314 | CoCoA-5.?.?    | In Progress | Normal   | Emacs UI: open manual pages in a separate frame?            | 27 Sep 2019 17:23 | 10     |                    |
| 1077 | CoCoA-5.4.4    | Resolved    | Normal   | Manual: remove old stuff about "devices"                    | 14 Mar 2023 22:02 | 70     | John Abbott        |
| 1621 | CoCoA-5.4.2    | New         | Normal   | Doc for the various BuiltIn files                           | 18 Oct 2021 11:26 | 0      |                    |
| 1663 | CoCoA-5.4.2    | New         | Normal   | GCDList not documented                                      | 31 May 2022 09:55 | 0      |                    |
| 1686 | CoCoA-5.4.2    | New         | Normal   | Manual entry for random (see also)                          | 09 Jun 2022 20:49 | 0      |                    |
| 1707 | CoCoA-5.?.?    | New         | Normal   | User forum?                                                 | 01 Nov 2022 22:02 | 0      |                    |
| 1765 | CoCoA-5.4.4    | New         | Normal   | Difference between seealso and keys?                        | 16 Oct 2023 20:02 | 0      |                    |
| 1776 |                | New         | Normal   | CoCoA-5 releases on redmine                                 | 12 Jan 2024 11:53 | 70     | Anna Maria Bigatti |
| 1636 | CoCoA-5.4.2    | In Progress | Normal   | Missing/Incomplete manual entries                           | 30 Nov 2023 17:21 | 10     |                    |
| 181  | CoCoA-5.4.2    | New         | Low      | Functions throwing error even though (trivially) defined    | 04 Nov 2021 23:09 | 10     |                    |

### Parser/Interpreter (26)

|     |             |          |        |                                                                       |                   |    |                    |
|-----|-------------|----------|--------|-----------------------------------------------------------------------|-------------------|----|--------------------|
| 946 | CoCoA-5.4.2 | Resolved | Urgent | Function "ideal" evaluates the argument twice                         | 23 Feb 2022 12:14 | 80 | Anna Maria Bigatti |
| 7   | CoCoA-5.4.2 | Resolved | High   | Automatic mapping between (some) rings                                | 10 Mar 2023 17:08 | 80 | Anna Maria Bigatti |
| 95  | CoCoA-5.?.? | New      | Normal | Error/warning if fn-proc is neither fn nor proc?                      | 15 Jun 2016 14:13 | 0  |                    |
| 97  | CoCoA-5.4.2 | New      | Normal | OpenOFile                                                             | 20 Oct 2020 18:13 | 0  |                    |
| 101 | CoCoA-5.?.? | New      | Normal | rethrow in Try .. UponError .. EndTry                                 | 23 Oct 2020 10:18 | 0  |                    |
| 287 | CoCoA-5.?.? | New      | Normal | --fullCoCoALibError prints too much (Try/UponError)                   | 02 Sep 2016 13:54 | 10 | Anna Maria Bigatti |
| 363 | CoCoA-5.?.? | New      | Normal | Colon operator, 2nd arg                                               | 09 Apr 2014 15:07 | 0  |                    |
| 375 | CoCoA-5.?.? | New      | Normal | allow single function call in "use" : e.g. "Use NewFractionField(R);" | 02 Sep 2014 11:14 | 0  |                    |
| 435 | CoCoA-5.?.? | New      | Normal | Assignment to protected variable                                      | 04 Apr 2014 17:05 | 0  |                    |

| #                      | Target version | Status      | Priority | Subject                                                         | Updated           | % Done | Assignee           |
|------------------------|----------------|-------------|----------|-----------------------------------------------------------------|-------------------|--------|--------------------|
| 486                    | CoCoA-5.?.?    | New         | Normal   | Warning about variable hiding another -- too zealous            | 01 Sep 2014 13:55 | 0      |                    |
| 597                    | CoCoA-5.?.?    | New         | Normal   | Interpreter.C: remove calls to WrongTypeException               | 02 Mar 2020 21:45 | 0      |                    |
| 749                    | CoCoA-5.?.?    | New         | Normal   | IsDefined does not follow reference to undefined optional param | 31 Jul 2015 12:08 | 0      |                    |
| 31                     | CoCoA-5.4.2    | In Progress | Normal   | theValue makes copy                                             | 18 Feb 2022 16:42 | 60     | Anna Maria Bigatti |
| 290                    | CoCoA-5.?.?    | In Progress | Normal   | Which functions are defined in CoCoALibSupplement?              | 29 Mar 2019 19:23 | 20     | Anna Maria Bigatti |
| 1292                   | CoCoA-5.4.2    | New         | Normal   | Interpreter: fns which accept INT or RAT                        | 03 Feb 2022 19:33 | 0      |                    |
| 1435                   | CoCoA-5.4.2    | New         | Normal   | Disable readline if input is redirected                         | 04 Nov 2021 23:09 | 0      |                    |
| 1544                   | CoCoA-5.4.2    | New         | Normal   | CoCoA coding conventions for parser/interpreter?                | 11 Dec 2020 12:01 | 10     |                    |
| 1234                   | CoCoA-5.?.?    | In Progress | Normal   | CoCoA should read unicode                                       | 01 Oct 2019 14:36 | 0      |                    |
| 1650                   | CoCoA-5.4.2    | In Progress | Normal   | Potentially confusing prompt: waiting for semicolon             | 18 Mar 2024 21:14 | 10     |                    |
| 183                    | CoCoA-5.?.?    | New         | Low      | Template for unaryMinus?                                        | 25 Jul 2018 17:15 | 0      |                    |
| 669                    | CoCoA-5.?.?    | New         | Low      | NUL char in input terminates CoCoA-5                            | 04 Mar 2020 21:28 | 0      |                    |
| 915                    | CoCoA-5.?.?    | New         | Low      | When is a semicolon needed to end a statement/command?          | 28 Feb 2024 21:27 | 0      |                    |
| 928                    | CoCoA-5.?.?    | New         | Low      | ciao, exit, quit can be used not only at top level              | 18 Oct 2021 11:08 | 0      |                    |
| 1440                   | CoCoA-5.4.2    | New         | Low      | Surprising parser error: INT+DOT+IDENTIFIER                     | 04 Nov 2021 23:10 | 0      |                    |
| 1603                   | CoCoA-5.4.2    | New         | Low      | Unhelpful behaviour in "compatibility mode": double error mesg  | 18 Mar 2024 21:20 | 0      |                    |
| 1759                   | CoCoA-5.4.4    | New         | Low      | Better error mesg for 1.2.3.4?                                  | 19 Mar 2024 20:05 | 0      |                    |
| <b>Portability (5)</b> |                |             |          |                                                                 |                   |        |                    |
| 83                     | CoCoA-5.4.2    | In Progress | Normal   | C++11 compatibility questions                                   | 03 Feb 2022 19:59 | 40     |                    |
| 629                    | CoCoA-5.?.?    | In Progress | Normal   | Windows-GUI: compilation with MinGW                             | 19 Mar 2024 22:21 | 20     | Anna Maria Bigatti |
| 1006                   | CoCoA-5.?.?    | In Progress | Normal   | External dependencies for building                              | 27 Oct 2021 13:13 | 10     |                    |
| 1373                   | CoCoA-5.4.2    | In Progress | Normal   | GFan also for Microsoft?                                        | 17 Oct 2022 13:59 | 10     | Anna Maria Bigatti |
| 1146                   | CoCoA-5.4.2    | New         | Low      | Use Flatpak and/or Snap on Linux?                               | 06 Oct 2020 15:55 | 0      |                    |
| <b>Release (6)</b>     |                |             |          |                                                                 |                   |        |                    |
| 1474                   | CoCoA-5.4.2    | New         | High     | Website: link to JSAG?                                          | 16 Feb 2022 20:27 | 0      |                    |
| 1445                   | CoCoA-5.4.2    | New         | Normal   | Automatic way to produce statically linked CoCoAInterpreter     | 03 Feb 2022 19:38 | 0      |                    |
| 1453                   | CoCoA-5.4.2    | New         | Normal   | Use symbolic links for release files                            | 03 Feb 2022 19:39 | 0      |                    |
| 1708                   | CoCoA-5.4.2    | New         | Normal   | Linux: just 1 executable, should be 2 (with & without readline) | 16 Nov 2022 15:45 | 0      |                    |
| 1688                   | CoCoA-5.4.2    | In Progress | Normal   | Release CoCoA 5.4.2                                             | 14 Feb 2023 21:29 | 0      |                    |

| #                   | Target version | Status      | Priority | Subject                           | Updated           | % Done | Assignee |
|---------------------|----------------|-------------|----------|-----------------------------------|-------------------|--------|----------|
| 1701                | CoCoA-5.4.2    | In Progress | Normal   | Preliminary packages              | 18 Mar 2024 21:05 | 10     |          |
| <b>Renaming (1)</b> |                |             |          |                                   |                   |        |          |
| 1456                | CoCoA-5.4.2    | New         | Normal   | IntersectList or IntersectionList | 15 Mar 2024 18:24 | 0      |          |