

## CoCoA-5 - Issues

| #    | Project | Parent task | Priority | Subject  | Assignee           | Updated           | Category            | % Done |
|------|---------|-------------|----------|--|--------------------|-------------------|---------------------|--------|
| 1638 | CoCoA-5 |             | Normal   | MinSubsetOfGens sometimes very slow                          |                    | 06 Dec 2021 20:37 | 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      |
| 1275 | CoCoA-5 |             | Low      | incr and decr are slow                                       |                    | 29 Apr 2019 17:53 | enhancing/improving | 0      |
| 1229 | CoCoA-5 |             | Normal   | append is slow   |                    | 04 Nov 2021 20:28 | bug                 | 0      |
| 1141 | CoCoA-5 |             | Low      | IsInRadical: for monomial ideals                             |                    | 15 May 2020 10:53 | enhancing/improving | 0      |
| 862  | CoCoA-5 |             | Normal   | append has bad complexity                                    |                    | 05 Apr 2016 13:40 | enhancing/improving | 0      |
| 655  | CoCoA-5 |             | Normal   | MakeSet can be very slow                                     |                    | 20 Jan 2015 17:12 | enhancing/improving | 0      |
| 480  | CoCoA-5 |             | Normal   | gcd too slow for large degree univariate poly                |                    | 30 Oct 2019 22:44 | Cleaning            | 0      |
| 465  | CoCoA-5 |             | Normal   | Emacs UI; remove cruft                                       |                    | 13 Nov 2020 11:17 | Cleaning            | 0      |
| 435  | CoCoA-5 |             | Normal   | Assignment to protected variable                             |                    | 04 Apr 2014 17:05 | Parser/Interpreter  | 0      |
| 434  | CoCoA-5 |             | Normal   | Emacs UI: very slow when input file is big (with long lines) |                    | 09 Apr 2014 15:52 | EmacsUI             | 0      |
| 230  | CoCoA-5 |             | Normal   | More curiously slow code -- squaring a polynomial            |                    | 04 Apr 2014 15:10 |                     | 0      |
| 96   | CoCoA-5 |             | Normal   | sort is too slow   | John Abbott        | 28 May 2021 20:40 | Incomplete function | 0      |
| 1556 | CoCoA-5 |             | Normal   | DivAlg slower than NR  | Anna Maria Bigatti | 08 Jan 2021 11:20 | enhancing/improving | 10     |
| 1363 | CoCoA-5 |             | Normal   | Emacs UI: slow with long lines                               |                    | 15 Jan 2024 19:32 | EmacsUI             | 10     |
| 1068 | CoCoA-5 |             | Normal   | PolyRing constructor: NewOrdvArith computed twice            |                    | 21 Mar 2024 11:55 | enhancing/improving | 10     |
| 1025 | CoCoA-5 |             | Normal   | Example of slow LEX GBasis computation                       |                    | 15 Nov 2017 14:57 | enhancing/improving | 10     |
| 875  | CoCoA-5 |             | Normal   | Interpreter is too slow reading a big polynomial             |                    | 20 Oct 2020 18:05 | enhancing/improving | 10     |
| 709  | CoCoA-5 |             | High     | Speed of some Normaliz calls (NmzComputation)                |                    | 03 Feb 2022 19:23 | External Libs       | 10     |
| 1722 | CoCoA-5 |             | Low      | Daft slug  |                    | 27 Feb 2023 12:57 | enhancing/improving | 20     |
| 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     |
| 31   | CoCoA-5 |             | Normal   | theValue makes copy  | Anna Maria Bigatti | 18 Feb 2022 16:42 | Parser/Interpreter  | 60     |
| 1629 | CoCoA-5 |             | Normal   | RingElem slow with many indets                               | Anna Maria Bigatti | 22 Dec 2023 20:06 | enhancing/improving | 100    |
| 1597 | CoCoA-5 |             | Normal   | GetRow/GetRows are extraordinarily slow                      | Anna Maria Bigatti | 14 Sep 2021 11:47 | enhancing/improving | 100    |
| 1506 | CoCoA-5 |             | Low      | Remove XMLFileName from Main.C                               | John Abbott        | 16 Sep 2021 12:36 | Cleaning            | 100    |
| 1392 | CoCoA-5 |             | Normal   | ApproxSolve: another slow example                            | Anna Maria Bigatti | 24 Sep 2021 22:21 | enhancing/improving | 100    |
| 1390 | CoCoA-5 |             | Normal   | CoCoA-5 test: radical too slow                               | John Abbott        | 04 Mar 2020 16:22 | enhancing/improving | 100    |
| 1284 | CoCoA-5 |             | Normal   | CartesianProductList: too slow                               | John Abbott        | 22 Oct 2019 11:10 | enhancing/improving | 100    |
| 1270 | CoCoA-5 |             | Normal   | RationalSolve: use MinPolyQuot instead of elim               | John Abbott        | 16 Sep 2021 12:40 | enhancing/improving | 100    |

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| 1114 | CoCoA-5 |             | Low      | Some other examples for 0-dim radical                                 | Anna Maria Bigatti | 31 Jul 2018 12:03 | enhancing/improving        | 100    |
| 1109 | CoCoA-5 |             | Normal   | Emacs UI can be slow in M\$ Windows                                   | John Abbott        | 15 Nov 2017 17:05 | EmacsUI                    | 100    |
| 1047 | CoCoA-5 |             | High     | NewPolyRing with user defined ordering is slower than CoCoALib        | Anna Maria Bigatti | 01 May 2017 10:43 | enhancing/improving        | 100    |
| 991  | CoCoA-5 |             | Low      | make htmldoc always recreates everything (even if no change was made) | John Abbott        | 04 Mar 2020 16:15 | Manual/documentation       | 100    |
| 948  | CoCoA-5 |             | Normal   | radical is slow (compared to singular) on these examples              | Anna Maria Bigatti | 22 Dec 2023 20:12 | enhancing/improving        | 100    |
| 907  | CoCoA-5 |             | Normal   | ApproxSolve very slow on this example                                 | Anna Maria Bigatti | 06 Aug 2018 16:22 | enhancing/improving        | 100    |
| 798  | CoCoA-5 |             | Normal   | use poly ring with many variables is too slow                         | John Abbott        | 13 Dec 2017 14:28 | enhancing/improving        | 100    |
| 750  | CoCoA-5 |             | Normal   | C5 GUI: very slow when printing many short lines                      | John Abbott        | 07 Oct 2022 11:06 | GUI                        | 100    |
| 741  | CoCoA-5 |             | Low      | C5 GUI: slow to close   | John Abbott        | 13 Nov 2017 15:46 | GUI                        | 100    |
| 687  | CoCoA-5 |             | Normal   | Builtin fn makes unnecessary copy of arg                              | John Abbott        | 28 May 2021 15:43 | enhancing/improving        | 100    |
| 405  | CoCoA-5 |             | Normal   | ReducedGBasis not memorized in an ideal                               | Anna Maria Bigatti | 28 Apr 2017 09:14 | Incomplete function        | 100    |
| 191  | CoCoA-5 |             | Normal   | Slow lex gbasis   | John Abbott        | 21 May 2013 18:33 | Portability                | 100    |
| 99   | CoCoA-5 |             | Normal   | Function "insert": obsolescent  | Anna Maria Bigatti | 27 Aug 2014 18:17 | CoCoA-4 function: obsolete | 100    |