

## 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	I: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		05 May 2024 20:44	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