

## CoCoA-5 - CoCoA-5.2.0 (Spring 17)

#	Priority	Subject	Assignee	Updated	Category	% Done	Estimated time
<b>CoCoA-5 function: new (11)</b>							
1044	Normal	New function: SectionalMatrix, PrintSectionalMatrix	Anna Maria Bigatti	10 Apr 2017 17:55	CoCoA-5 function: new	100	2.01
1043	Normal	New function: IsCoprime	Anna Maria Bigatti	28 Apr 2017 19:21	CoCoA-5 function: new	100	1.0
1017	Normal	New function: SetGBasisAsGens [--> NO: use IdealOfGBasis]	Anna Maria Bigatti	10 Apr 2017 17:43	CoCoA-5 function: new	100	0.51
996	High	New function: IdealOfGBasis	Anna Maria Bigatti	29 Apr 2017 08:34	CoCoA-5 function: new	100	2.01
965	Normal	New function: multigraded BettiNumbers	Anna Maria Bigatti	10 Apr 2017 17:39	CoCoA-5 function: new	100	4.01
959	Normal	New function: SymmetricPolys	Anna Maria Bigatti	01 Mar 2017 14:10	CoCoA-5 function: new	100	2.0
954	Normal	New function: StdBasis (standard basis)	Anna Maria Bigatti	01 Mar 2017 14:11	CoCoA-5 function: new	100	6.01
927	Normal	Add "exit" in addition to "ciao"	John Abbott	01 Mar 2017 14:15	CoCoA-5 function: new	100	1.56
903	Normal	New function CallOnGroebnerFanIdeals: call function on GFan ideals	Anna Maria Bigatti	26 Apr 2017 19:04	CoCoA-5 function: new	100	4.0
845	Normal	Primary Decomposition in CoCoA-5.1.6: zero dimensional, finite characteristic	Elisa Palezzato	10 Apr 2017 16:47	CoCoA-5 function: new	100	20.1
734	Normal	Primary Decomposition in CoCoA-5: zero dimensional, zero characteristic	Elisa Palezzato	07 Apr 2017 10:13	CoCoA-5 function: new	100	40.01
<b>EmacsUI (4)</b>							
1038	Normal	Emacs: sent interrupt to CoCoA	Anna Maria Bigatti	26 Apr 2017 17:20	EmacsUI	100	4.01
1002	Normal	Emacs UI: cocoa5-send-line skips too many chars	John Abbott	27 Apr 2017 11:31	EmacsUI	100	2.6
998	Low	Emacs UI: sending empty input from cocoa5 buffer	John Abbott	26 Apr 2017 17:19	EmacsUI	100	3.1
748	Normal	Emacs UI: return inside a block of output sends several lines (not just the one I'm on)	John Abbott	28 Apr 2017 09:12	EmacsUI	100	3.01
<b>enhancing/improving (13)</b>							
1051	Normal	ReadExpr(P, string) and RingElem(P, string)	Anna Maria Bigatti	28 Apr 2017 19:06	enhancing/improving	100	3.0
1047	High	NewPolyRing with user defined ordering is slower than CoCoALib	Anna Maria Bigatti	01 May 2017 10:43	enhancing/improving	100	5.31
1028	Normal	Readline: cursor moves wrongly when at start of line with a prompt	John Abbott	27 Apr 2017 11:35	enhancing/improving	100	0.99
995	Normal	LaTeX(x^10) should use curly brackets	John Abbott	01 Mar 2017 13:35	enhancing/improving	100	0.251
994	Urgent	SEGV: Toric example from Kazuki Maeda	Anna Maria Bigatti	07 Apr 2017 09:48	enhancing/improving	100	6.01
973	High	GroebnerFanIdeals: verbosity and output style	Anna Maria Bigatti	28 Apr 2017 15:14	enhancing/improving	100	5.5
909	Normal	ReadExpr: decimal point	John Abbott	27 Apr 2017 11:43	enhancing/improving	100	2.0
883	Normal	gin: return/print a suitable change of variables	Anna Maria Bigatti	26 Apr 2017 17:25	enhancing/improving	100	2.01
878	Normal	RingElem applied to a symbol (repr as a string)	Anna Maria Bigatti	27 Apr 2017 14:34	enhancing/improving	100	1.8
877	Normal	Easier syntax to make a PRINCIPAL ideal?	John Abbott	27 Apr 2017 14:57	enhancing/improving	100	0.77

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870	Urgent	GBasis of product of ideals is wrong (Vadim Tropashko) --> l.myReset()	Anna Maria Bigatti	26 Apr 2017 15:56	enhancing/improving	100	2.01
744	High	Handle interrupts more helpfully	John Abbott	02 Mar 2017 16:15	enhancing/improving	100	2.0
708	High	ExternalLib Normaliz: verbose flag?	John Abbott	05 May 2017 10:36	enhancing/improving	100	3.01
<b>External Libs (3)</b>							
757	Immediate	readline: fix script for finding libreadline	John Abbott	28 Apr 2017 09:13	External Libs	100	4.01
711	Normal	External Libs: print credits?	Anna Maria Bigatti	28 Apr 2017 14:49	External Libs	100	4.4
243	Normal	Normaliz tests for CoCoA5	Christof Soeger	12 Oct 2016 15:01	External Libs	100	3.05
<b>Incomplete function (3)</b>							
918	Normal	UniversalGBasis: sometimes gives error	Anna Maria Bigatti	12 Oct 2016 15:01	Incomplete function	100	2.05
880	Normal	subst should check that indet is in same ring as 1st arg, but does not.	Anna Maria Bigatti	01 Mar 2017 13:34	Incomplete function	100	1.0
405	Normal	ReducedGBasis not memorized in an ideal	Anna Maria Bigatti	28 Apr 2017 09:14	Incomplete function	100	2.01
<b>Manual/documentation (6)</b>							
1046	Low	CoCoA-5 no longer lists the external libs present	Anna Maria Bigatti	27 Apr 2017 15:38	Manual/documentation	100	1.01
1040	High	CoCoAManual: entry for SetVerbosityLevel/VerbosityLevel	Anna Maria Bigatti	27 Apr 2017 15:20	Manual/documentation	100	0.99
963	High	Manual: XML problem with html doc	Anna Maria Bigatti	26 Apr 2017 16:00	Manual/documentation	100	2.0
863	High	CoCoA-5 manual: IsInteger and IsRational are missing?	Anna Maria Bigatti	27 Apr 2017 15:03	Manual/documentation	100	0.77
521	Normal	Manual: automatically check all examples		28 Apr 2017 14:34	Manual/documentation	100	
170	Normal	CoCoAManual HTML: page for "Try"	Anna Maria Bigatti	06 Mar 2017 16:44	Manual/documentation	100	
<b>Parser/Interpreter (3)</b>							
1045	Normal	Error message from cocoalib to cocoa-5	Anna Maria Bigatti	28 Apr 2017 19:21	Parser/Interpreter	100	1.01
1018	Normal	Interpreter: limit range for ".." operator	John Abbott	28 Apr 2017 16:20	Parser/Interpreter	100	1.44
478	Normal	Use of dollar-dot (\$.) in packages	John Abbott	05 Sep 2016 12:39	Parser/Interpreter	100	0.7
<b>Release (2)</b>							
852	Normal	fix OnlineManual.C so that version number may be removed from CoCoAHelp.xml	Anna Maria Bigatti	01 Mar 2017 13:31	Release	100	1.0
851	High	Release: CoCoA-5.2.0	Anna Maria Bigatti	08 May 2017 11:57	Release	100	14.01
<b>Renaming (1)</b>							
868	Normal	Der, Bin: why the capital letter?	Anna Maria Bigatti	28 Apr 2017 09:24	Renaming	100	2.01