

CoCoALib - CoCoALib-0.99800 (Mar 2022)

#	Priority	Subject	Assignee	Updated	Category	% Done	Estimated time
Data Structures (1)							
152	Low	Replace bool3 by tribool	John Abbott	29 Jan 2021 20:12	Data Structures	100	2.9
Documentation (7)							
467	Normal	Keep CoCoALib web page up to date! All pages!	Anna Maria Bigatti	18 Feb 2022 15:32	Documentation	100	1.51
1499	Normal	factorization: allow zero as exponent?	John Abbott	26 Oct 2020 12:26	Documentation	100	1.81
1618	Normal	Tidy ex-RingElem2	John Abbott	04 Feb 2022 21:21	Documentation	100	0.8
1700	Normal	boost_1_80_0	John Abbott	23 Nov 2022 17:36	Documentation	100	3.99
1591	High	Compilation of Normaliz	Anna Maria Bigatti	07 Mar 2022 10:06	Documentation	100	5.01
1612	Urgent	Merge the doc file RadicalMembership.txt into ideal.txt	Anna Maria Bigatti	04 Mar 2022 17:36	Documentation	100	1.51
1674	Immediate	DocTeX.t2t missing several "index entries"	Anna Maria Bigatti	18 Mar 2022 10:26	Documentation	100	2.01
Improving (17)							
722	Low	valuation slow for large inputs	John Abbott	07 Oct 2020 22:11	Improving	100	2.0
1517	Low	RandomLinearForm	John Abbott	04 Feb 2022 21:31	Improving	100	0.9
786	Normal	MemPool: review min and max loaf sizes	Anna Maria Bigatti	16 Sep 2021 13:38	Improving	100	4.44
897	Normal	SimplestBigRatBetween: why is it so slow?	John Abbott	16 Sep 2021 13:47	Improving	100	2.49
1375	Normal	Radical 0-dim: varied timings	John Abbott	04 Feb 2022 21:20	Improving	100	4.9
1376	Normal	GBasisTimeout: not working as expected	John Abbott	16 Sep 2021 13:51	Improving	100	5.23
1391	Normal	RingElems: syntax with [and] ?	Anna Maria Bigatti	08 Jan 2021 13:03	Improving	100	5.77
1423	Normal	Radical 0-dim NYI? missing case for GBasisByHomog	Anna Maria Bigatti	25 Sep 2020 16:58	Improving	100	0.51
1457	Normal	Make SmoothFactor interruptible	John Abbott	26 Oct 2020 21:37	Improving	100	0.99
1462	Normal	Change CoCoA_ERROR into CoCoA_THROW_ERROR	John Abbott	14 Oct 2020 14:06	Improving	100	4.71
1467	Normal	Change syntax apply(phi,M) into phi(M)?	John Abbott	18 Feb 2022 15:24	Improving	100	2.01
1558	Normal	CpuTimeLimit: more frequent clock checks	John Abbott	20 Sep 2021 15:41	Improving	100	6.99
1589	Normal	IdealOfPoints: allow matrix of points to be defined over "wrong" ring	Anna Maria Bigatti	04 Feb 2022 22:07	Improving	100	1.11
1598	Normal	RingHom: implement phi(X) as apply(phi, X) also for X vector and matrix	Anna Maria Bigatti	18 Feb 2022 15:24	Improving	100	8.51
1627	Normal	Use keyword "delete" for deleted functions	John Abbott	04 Feb 2022 21:23	Improving	100	3.6
1633	Normal	Make polynomial multiplication interruptible?	John Abbott	04 Feb 2022 21:24	Improving	100	0.99
1458	Normal	Redesign interrupt mechanism?	John Abbott	07 Mar 2022 10:07	Improving	100	0.51
Makefile (1)							

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24	Normal	object files collected in one directory	Anna Maria Bigatti	14 Oct 2020 15:35	Makefile	100	1.01
Maths Bugs (6)							
1331	Normal	adj: for matrices 7x7 and bigger	John Abbott	28 Oct 2020 23:17	Maths Bugs	100	1.17
1484	Normal	ker bug (quotientinghom for R/ideal())	Anna Maria Bigatti	16 Sep 2021 13:33	Maths Bugs	100	2.52
1565	Normal	IsInRadical: gives "weird" error	John Abbott	16 Sep 2021 12:49	Maths Bugs	100	2.51
1570	Normal	FloatStr sometimes produces NUL chars	John Abbott	16 Sep 2021 12:32	Maths Bugs	100	8.11
1646	Normal	radical: could be more clever	John Abbott	24 Jan 2022 09:07	Maths Bugs	100	1.33
1656	Normal	SEGV in resultant	John Abbott	04 Feb 2022 21:33	Maths Bugs	100	0.66
New Function (8)							
1436	Low	Flatten for a matrix	John Abbott	29 Oct 2020 21:36	New Function	100	1.41
122	Normal	Porting "LinKer"	John Abbott	15 Jan 2021 21:10	New Function	100	0.44
1235	Normal	FreeModule: get canonical basis	Anna Maria Bigatti	14 Feb 2022 18:25	New Function	100	1.75
1405	Normal	New fn: interreduction	John Abbott	07 Mar 2022 10:07	New Function	100	1.01
1483	Normal	IsPowerOf2 for rationals	John Abbott	26 Oct 2020 21:38	New Function	100	0.25
1580	Normal	New fn prim for polys	John Abbott	16 Feb 2022 20:45	New Function	100	3.33
1490	Normal	New function: MinusOneToPower	John Abbott	06 Oct 2020 09:53	New Function	100	0.99
15	High	Adjoint of a non-invertible matrix	John Abbott	16 Sep 2021 13:48	New Function	100	3.55
Portability (7)							
581	Normal	C++14: MachineInt	John Abbott	18 Feb 2022 15:26	Portability	100	4.7
861	Normal	Janet basis code: TmpJB files give some problems with C++11 (using CLANG/LLVM)	John Abbott	20 Sep 2021 16:17	Portability	100	3.33
1221	Normal	Reconsider design for accessing headers and libs of external libraries	John Abbott	09 Oct 2020 13:54	Portability	100	0.22
1473	Normal	isystem not working as expected	John Abbott	14 Sep 2021 11:56	Portability	100	2.51
1601	Normal	Compilation ambiguity	John Abbott	04 Feb 2022 21:44	Portability	100	2.22
794	Normal	ar gives warnings on fedora 23	John Abbott	17 Feb 2021 09:59	Portability	100	0.2
618	High	Instructions for compiling libnormaliz	Anna Maria Bigatti	14 Feb 2022 18:22	Portability	100	2.55
Renaming (2)							
854	Normal	Function MakeTermOrd should be renamed MakeTermOrdMat?	Anna Maria Bigatti	28 Mar 2024 16:25	Renaming	100	1.77
1460	Normal	Name of TensorMat; change to KroneckerProd?	John Abbott	29 Oct 2020 15:01	Renaming	100	1.33
Safety (10)							

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1395	Normal	SHA checksum for released code	John Abbott	09 Oct 2020 14:12	Safety	100	5.01
1500	Normal	IsDivisible in a field?	John Abbott	23 Oct 2020 10:57	Safety	100	3.99
1523	Normal	Input fns: action when when istream is in bad state?	John Abbott	17 Feb 2021 11:01	Safety	100	2.22
1529	Normal	INPUT questions	John Abbott	17 Feb 2021 11:02	Safety	100	3.11
1547	Normal	Require decimal mode for ostream?	John Abbott	04 Feb 2022 21:50	Safety	100	0.7
1563	Normal	BigRat: ctor from machine int	John Abbott	29 Jan 2021 11:26	Safety	100	1.55
1590	Normal	CRASH: LinKerZZ	John Abbott	16 Sep 2021 12:27	Safety	100	1.49
1625	Normal	Use new C++ keyword override	John Abbott	04 Feb 2022 21:48	Safety	100	12.5
1655	Normal	Remove ability to compile CoCoALib against UNINSTALLED gmp?	John Abbott	14 Feb 2022 10:00	Safety	100	3.51
1585	High	CRASH/ABORT: GMP overflow	John Abbott	22 Sep 2021 17:45	Safety	100	6.66
Tidying (9)							
1463	Low	SmoothFactor: use FactorMultiplicity	John Abbott	29 Oct 2020 21:44	Tidying	100	5.77
1196	Normal	Split MatrixOps	John Abbott	29 Oct 2020 21:42	Tidying	100	3.55
1170	Normal	SmoothFactor: slow when a factor is found	John Abbott	29 Oct 2020 21:51	Tidying	100	1.01
1279	Normal	Tidy up code for matrix determinant	John Abbott	29 Oct 2020 21:48	Tidying	100	2.66
1528	Normal	MacOS compilation with clang	John Abbott	23 Feb 2022 11:38	Tidying	100	2.88
1605	Normal	binomial: domain of defn?	John Abbott	14 Sep 2021 12:01	Tidying	100	1.51
1608	Normal	Domain of definition of NextPrime (and PrevPrime)	John Abbott	20 Oct 2021 22:09	Tidying	100	1.01
1617	Normal	UnivariateIndetIndex: exact semantics	John Abbott	12 Nov 2021 11:44	Tidying	100	1.66
1515	Normal	Indets in coeffring are ringelems in coeffring?	John Abbott	27 Oct 2020 18:01	Tidying	100	0.99
Various (6)							
1481	Normal	Release CoCoALib 0.99800	Anna Maria Bigatti	30 Nov 2022 18:31	Various	100	5.5
1494	Normal	Normaliz 3.8.9	John Abbott	30 Oct 2020 11:08	Various	100	2.22
1538	Normal	RingElem from string (ReadExpr)	John Abbott	16 Sep 2021 12:54	Various	100	1.61
1555	Normal	Software licence	John Abbott	07 Mar 2022 10:04	Various	100	12.51
1653	Normal	Discriminant: return value	John Abbott	04 Feb 2022 21:52	Various	100	3.5
1592	High	Normaliz 3.8.10	Anna Maria Bigatti	28 Jan 2022 17:34	Various	100	1.11