

## CoCoALib - Issues

#	Project	Parent task	Priority	Subject	Assignee	Updated	Category	% Done
1791	CoCoALib		Urgent	Fix Google-search link in the html documentation	Anna Maria Bigatti	14 Mar 2024 09:24	Documentation	100
1789	CoCoALib		Urgent	GradingMat with negative weights should complain (or deal with them properly!!)	Anna Maria Bigatti	18 Mar 2024 16:15	Improving	100
1788	CoCoALib		Normal	New MatrixView/function "FirstRows/FirstCols"?	Anna Maria Bigatti	20 Mar 2024 15:53	New Function	100
1780	CoCoALib		Normal	radical for ideals in SparsePolyRing: code in C++	Anna Maria Bigatti	22 Mar 2024 09:13	New Function	100
1779	CoCoALib		Normal	Radical error with lex (again)	Anna Maria Bigatti	23 Feb 2024 12:28	Various	100
1763	CoCoALib		Normal	implement ideal(R) for zero ideal, with no generators?	Anna Maria Bigatti	16 Feb 2024 18:01	New Function	100
1739	CoCoALib		Normal	IsHomog for ideals	Anna Maria Bigatti	01 Mar 2024 14:57	Improving	100
1729	CoCoALib		Urgent	Bug HilbertPoly of zero-dimensional ideals	Anna Maria Bigatti	12 Apr 2023 14:45	Maths Bugs	100
1721	CoCoALib		Normal	Verbose messages: print level?	Anna Maria Bigatti	12 Apr 2023 14:56	Improving	100
1674	CoCoALib		Immediate	DocTeX.t2t missing several "index entries"	Anna Maria Bigatti	18 Mar 2022 10:26	Documentation	100
1649	CoCoALib		Normal	Add file SparsePolyOps-vector.C	Anna Maria Bigatti	25 Mar 2024 17:49	Tidying	100
1647	CoCoALib		Normal	Suppress zero from ideal generators? Detect 1 and simplify generators?	Anna Maria Bigatti	25 Mar 2024 19:02	Data Structures	100
1619	CoCoALib		Normal	Make saturate available in CoCoALib	Anna Maria Bigatti	22 Mar 2024 10:14	New Function	100
1612	CoCoALib		Urgent	Merge the doc file RadicalMembership.txt into ideal.txt	Anna Maria Bigatti	04 Mar 2022 17:36	Documentation	100
1598	CoCoALib		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
1592	CoCoALib		High	Normaliz 3.8.10	Anna Maria Bigatti	28 Jan 2022 17:34	Various	100
1591	CoCoALib		High	Compilation of Normaliz	Anna Maria Bigatti	07 Mar 2022 10:06	Documentation	100
1589	CoCoALib		Normal	IdealOfPoints: allow matrix of points to be defined over "wrong" ring	Anna Maria Bigatti	04 Feb 2022 22:07	Improving	100
1484	CoCoALib		Normal	ker bug (quotientinghom for R/ideal())	Anna Maria Bigatti	16 Sep 2021 13:33	Maths Bugs	100
1481	CoCoALib		Normal	Release CoCoALib 0.99800	Anna Maria Bigatti	30 Nov 2022 18:31	Various	100
1452	CoCoALib		High	Release CoCoALib-0.99710	Anna Maria Bigatti	09 Oct 2020 14:16	Various	100
1434	CoCoALib		Normal	GBasisByHomog for DegLex	Anna Maria Bigatti	06 Mar 2020 17:41	Improving	100
1427	CoCoALib		Normal	New function: LawrenceMat	Anna Maria Bigatti	06 Mar 2020 16:35	New Function	100
1423	CoCoALib		Normal	Radical 0-dim NYI? missing case for GBasisByHomog	Anna Maria Bigatti	25 Sep 2020 16:58	Improving	100
1416	CoCoALib		Normal	IdealOfProjectivePoints and MinGens	Anna Maria Bigatti	04 Mar 2020 14:19	Maths Bugs	100
1409	CoCoALib		Normal	myTestIsPrimary & Co. : fix design	Anna Maria Bigatti	30 Apr 2020 14:20	Safety	100
1391	CoCoALib		Normal	RingElems: syntax with [ and ] ?	Anna Maria Bigatti	08 Jan 2021 13:03	Improving	100
1379	CoCoALib		High	Fails to recognize zero-dim ideal	Anna Maria Bigatti	10 Jan 2020 12:17	Maths Bugs	100
1347	CoCoALib		Normal	New function: ctor of PPVector with vector<RingElem>	Anna Maria Bigatti	29 Oct 2019 19:44	Improving	100

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1345	CoCoALib		High	Problem with linking the library	Anna Maria Bigatti	19 Oct 2019 20:28	Safety	100
1338	CoCoALib		Normal	Release CoCoALib-0.99700	Anna Maria Bigatti	20 May 2020 13:30	Various	100
1336	CoCoALib		Normal	Rename SparsePolyOps-MonomialIdeal into SparsePolyOps-IdealMonomial?	Anna Maria Bigatti	15 Oct 2019 17:33	Renaming	100
1332	CoCoALib		Normal	New function: vector of RingElem from string -- in CoCoALib	Anna Maria Bigatti	29 Oct 2019 16:21	New Function	100
1330	CoCoALib		Normal	New syntax for NewQuotientRing	Anna Maria Bigatti	15 Oct 2019 17:52	Improving	100
1329	CoCoALib		Normal	New syntax for creating homomorphisms (PolyAlgebraHom)	Anna Maria Bigatti	09 Nov 2020 10:03	Improving	100
1326	CoCoALib		Normal	Modify function myElim so that it returns ideal? (not quite)	Anna Maria Bigatti	18 Mar 2024 16:03	Tidying	100
1317	CoCoALib		Normal	txt2tags: LaTeX/PDF section numbers over 99 in TOC	Anna Maria Bigatti	10 Oct 2019 18:41	Documentation	100
1251	CoCoALib		Normal	New function: radical for monomial ideal	Anna Maria Bigatti	15 Oct 2019 15:29	New Function	100
1250	CoCoALib		Urgent	SEGV: CoCoALib with Normaliz in multithreading	Anna Maria Bigatti	10 Oct 2019 19:12	Improving	100
1249	CoCoALib		Normal	principal ideal has a Gbasis	Anna Maria Bigatti	10 Oct 2019 19:12	Improving	100
1248	CoCoALib		High	MinPolyQuot: guaranteed and ideal without GBasis	Anna Maria Bigatti	31 Oct 2019 15:55	Maths Bugs	100
1238	CoCoALib		Urgent	ReadExpr is too slow on long lists of monomial with many indets: ---> use RingElems instead	Anna Maria Bigatti	12 Feb 2020 09:44	Improving	100
1235	CoCoALib		Normal	FreeModule: get canonical basis	Anna Maria Bigatti	14 Feb 2022 18:25	New Function	100
1212	CoCoALib		Normal	New function: GBasisByHomog	Anna Maria Bigatti	22 Mar 2024 14:32	New Function	100
1211	CoCoALib		High	HilbertSeries should check grading	Anna Maria Bigatti	03 Oct 2019 10:37	Maths Bugs	100
1209	CoCoALib		High	New function: HasPositiveGrading	Anna Maria Bigatti	03 Oct 2019 10:43	New Function	100
1206	CoCoALib		Normal	syz, SyzOfGens: which shifts for zero?	Anna Maria Bigatti	28 Mar 2024 10:15	Maths Bugs	100
1205	CoCoALib		Urgent	SyzOfGens: bug with zero generators	Anna Maria Bigatti	03 Aug 2018 18:09	Improving	100
1203	CoCoALib		Normal	factor over algebraic extensions	Anna Maria Bigatti	31 Jul 2018 13:13	Improving	100
1199	CoCoALib		Normal	GCD bug with high degree arg	Anna Maria Bigatti	03 Aug 2018 15:47	Maths Bugs	100
1178	CoCoALib		Normal	New function: myPrimaryDecomposition_0dim	Anna Maria Bigatti	03 Aug 2018 17:41	New Function	100
1177	CoCoALib		Normal	File names: use "SparsePolyOps" prefix for pertinent files	Anna Maria Bigatti	03 Aug 2018 16:18	Various	100
1169	CoCoALib		Normal	New function: RandomLinearForm (CoCoALib)	Anna Maria Bigatti	02 Aug 2018 16:59	New Function	100
1165	CoCoALib		Normal	MinPoly over QQ: verification may be very slow	Anna Maria Bigatti	03 Aug 2018 17:37	Improving	100
1163	CoCoALib		Normal	Split SparsePolyRing.C in smaller files	Anna Maria Bigatti	02 Aug 2018 17:04	Renaming	100
1158	CoCoALib		Normal	New function: MinPolyQuotHeuristic --> MinPolyQuot with VerificationLevel	Anna Maria Bigatti	02 Aug 2018 16:42	New Function	100
1149	CoCoALib		Normal	Release: CoCoALib-0.99600 (together with CoCoA-5.2.4)	Anna Maria Bigatti	09 Aug 2018 10:36	Various	100
1126	CoCoALib		Normal	New function: SubmoduleOfMinGens	Anna Maria Bigatti	02 Aug 2018 16:20	New Function	100
1124	CoCoALib		Normal	Move examples directory into doc -- or just change makefile?	Anna Maria Bigatti	03 Aug 2018 17:04	Documentation	100
1105	CoCoALib		Normal	Primary Decompositon (zero-dim) slow cases	Anna Maria Bigatti	10 Oct 2019 19:20	Improving	100

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1101	CoCoALib		High	Bug in MinPolyModular (insufficient rational reconstruction)	Anna Maria Bigatti	15 Dec 2017 16:42	Maths Bugs	100
1099	CoCoALib		Urgent	MinPolyQuot: missing doc	Anna Maria Bigatti	03 Aug 2018 14:32	Documentation	100
1090	CoCoALib		Normal	ExternaLib-MathSAT: first prototype	Anna Maria Bigatti	19 Dec 2017 07:50	New Function	100
1088	CoCoALib		Normal	MinPolyQuot: runs out of primes	Anna Maria Bigatti	08 Nov 2017 14:39	Improving	100
1083	CoCoALib		Normal	MinPolyQuot: check input (was: MinPolyQuot gives "bad characteristic" error)	Anna Maria Bigatti	15 Dec 2017 16:39	Safety	100
1081	CoCoALib		Normal	ideal() * RingElem gives error	Anna Maria Bigatti	08 Nov 2017 17:03	Maths Bugs	100
1064	CoCoALib		Normal	Bug in MinPolyModular (ugly prime)	Anna Maria Bigatti	10 Nov 2017 12:16	Improving	100
1063	CoCoALib		Normal	Catching an (expected) error	Anna Maria Bigatti	08 Nov 2017 14:24	Documentation	100
1058	CoCoALib		Normal	CoCoALib version in Documentation and Examples	Anna Maria Bigatti	19 Dec 2017 07:50	Documentation	100
1056	CoCoALib		Normal	Release: CoCoALib-0.99560 (together with CoCoA-5.2.2)	Anna Maria Bigatti	17 Jan 2018 12:09	Various	100
1053	CoCoALib		Normal	New function: IdealOfGBasis, IdealOfMinGens in CoCoALib	Anna Maria Bigatti	20 Nov 2017 16:07	New Function	100
1052	CoCoALib		Normal	ReadExpr(P, string) and RingElem(P, string) in CoCoALib	Anna Maria Bigatti	10 Nov 2017 12:34	Improving	100
1016	CoCoALib		Normal	ReducedGBasis for RingWeyl (and other non-commutative rings)	Anna Maria Bigatti	28 Apr 2017 16:05	Improving	100
1009	CoCoALib		Normal	coefficients for MinPoly e Frobenius	Anna Maria Bigatti	03 Aug 2018 17:16	Improving	100
966	CoCoALib		Normal	New function or explain: first and last for a vector?	Anna Maria Bigatti	14 Feb 2020 10:21	Documentation	100
961	CoCoALib		Normal	New function: ReducedGBasis	Anna Maria Bigatti	21 Apr 2017 17:08	New Function	100
957	CoCoALib		Normal	New function: HasGBasis	Anna Maria Bigatti	29 Apr 2017 08:32	New Function	100
944	CoCoALib		High	Release: CoCoALib-0.99550 (together with CoCoA-5.2.0)	Anna Maria Bigatti	08 May 2017 11:54	Tidying	100
935	CoCoALib		High	ElimMat, ElimHomogMat: complain about zero or negative weights	Anna Maria Bigatti	13 Feb 2020 10:30	Safety	100
931	CoCoALib		Normal	GBasis verbose mode	Anna Maria Bigatti	29 Apr 2017 08:36	Improving	100
908	CoCoALib		High	Sum of ideals: what are the generators of $(x) + (0)$ ?	Anna Maria Bigatti	08 Mar 2024 14:34	Improving	100
905	CoCoALib		Normal	txt2tags: double quotes wrong in LaTeX	Anna Maria Bigatti	10 Oct 2019 19:06	Documentation	100
901	CoCoALib		Normal	New function: PrimaryDecomposition0 in CoCoALib	Anna Maria Bigatti	03 Aug 2018 17:40	New Function	100
900	CoCoALib		Normal	New function: MinPoly of RingElem in quotient ring	Anna Maria Bigatti	03 Aug 2018 17:31	New Function	100
899	CoCoALib		High	IsMaximal, IsPrimary for IDEAL (in cocoalib)	Anna Maria Bigatti	25 Nov 2017 10:40	New Function	100
887	CoCoALib		Normal	My first compilations with clang	Anna Maria Bigatti	16 Jan 2018 11:37	Portability	100
854	CoCoALib		Normal	Function MakeTermOrd should be renamed MakeTermOrdMat?	Anna Maria Bigatti	28 Mar 2024 16:25	Renaming	100
848	CoCoALib		Normal	Implement MinPoly in CoCoALib	Anna Maria Bigatti	22 Mar 2016 18:02	New Function	100
834	CoCoALib		Normal	Fix test failures (after revising MatrixForOrdering)	Anna Maria Bigatti	24 Mar 2016 11:42	Tidying	100
831	CoCoALib		Normal	primary.cocoa5	Anna Maria Bigatti	22 Mar 2016 17:42	Tidying	100
822	CoCoALib		High	Should ElimMat return a ConstMatrix	Anna Maria Bigatti	28 Apr 2017 15:16	Tidying	100
819	CoCoALib		Normal	GradingMat: does anyone need it?	Anna Maria Bigatti	24 Mar 2016 11:58	Tidying	100

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786	CoCoALib		Normal	MemPool: review min and max loaf sizes	Anna Maria Bigatti	16 Sep 2021 13:38	Improving	100
764	CoCoALib		Normal	ExternalLib: simplify configuration	Anna Maria Bigatti	03 Aug 2018 17:33	Improving	100
762	CoCoALib		Normal	ExternalLib-GFan: first prototype	Anna Maria Bigatti	24 Mar 2016 08:04	New Function	100
754	CoCoALib		High	Release: CoCoALib-0.99538 (together with CoCoA-5.1.2)	Anna Maria Bigatti	08 Oct 2015 14:47	Tidying	100
736	CoCoALib		Normal	QuotientRing: is it correct to prohibit quotient by ideal(1)?	Anna Maria Bigatti	27 Jan 2020 17:43	Improving	100
735	CoCoALib		Normal	Convert a PPMonoidElem to RingElem with coefficient one	Anna Maria Bigatti	22 Mar 2016 17:59	New Function	100
730	CoCoALib		Normal	Stats in GBMill (GReductor)	Anna Maria Bigatti	20 Nov 2017 16:12	Improving	100
718	CoCoALib		Normal	Insert calls to CheckForInterrupt	Anna Maria Bigatti	22 Apr 2024 21:35	Improving	100
705	CoCoALib		Normal	DetDirect calls myAddMul with 0 argument -- funny compilation problem??	Anna Maria Bigatti	26 Jun 2015 16:15	Improving	100
683	CoCoALib		Normal	Module index component in internal compressed representation	Anna Maria Bigatti	15 Dec 2017 16:37	Documentation	100
641	CoCoALib		Normal	Clean test-FreeModule1	Anna Maria Bigatti	26 Jun 2015 16:58	Tidying	100
623	CoCoALib		Normal	Inverse of a matrix over ZZ	Anna Maria Bigatti	11 May 2015 17:54	New Function	100
621	CoCoALib		High	Release: CoCoALib-0.99536	Anna Maria Bigatti	08 Oct 2015 14:48	Tidying	100
618	CoCoALib		High	Instructions for compiling libnormaliz	Anna Maria Bigatti	14 Feb 2022 18:22	Portability	100
604	CoCoALib		Normal	Release: CoCoALib-0.99535	Anna Maria Bigatti	11 May 2015 14:07	Tidying	50
599	CoCoALib		Normal	Release: CoCoALib-0.99534	Anna Maria Bigatti	11 Sep 2014 16:37	Tidying	100
580	CoCoALib		Normal	Example for PPVector: ex-PPVector	Anna Maria Bigatti	31 Jul 2014 12:28	Documentation	100
577	CoCoALib		High	Hilbert crashes with > 100 indeterminates	Anna Maria Bigatti	31 Jul 2014 16:57	Maths Bugs	100
528	CoCoALib		Normal	Release: CoCoALib-0.99533	Anna Maria Bigatti	30 Jul 2014 10:56	Tidying	100
520	CoCoALib		High	Compute inverse in quotient ring (i.e. division in algebraic extn)	Anna Maria Bigatti	01 Jul 2015 18:40	New Function	100
510	CoCoALib		Normal	SyzOfGens (CoCoALib): fix shifts	Anna Maria Bigatti	17 Apr 2014 16:36	Maths Bugs	100
507	CoCoALib		Normal	CoCoA website: CoCoALib-0.99532	Anna Maria Bigatti	02 Apr 2014 15:40	Documentation	100
496	CoCoALib		Normal	ideal: minimize or minimalized?	Anna Maria Bigatti	01 Apr 2014 18:52	New Function	100
467	CoCoALib		Normal	Keep CoCoALib web page up to date! All pages!	Anna Maria Bigatti	18 Feb 2022 15:32	Documentation	100
452	CoCoALib		Normal	Documentation for adding functions to CoCoA-5 (BuiltInFunctions and BuiltInOneLiners)	Anna Maria Bigatti	31 Jul 2014 12:31	Documentation	100
389	CoCoALib		Normal	problem loading library.H (parallel make -j4)	Anna Maria Bigatti	29 Oct 2013 13:31	Documentation	100
373	CoCoALib		Normal	add DeleteCol, DeleteRow	Anna Maria Bigatti	17 Apr 2014 09:51	New Function	100
366	CoCoALib		High	function (CoCoALib) for minimal generators (like old Minimalize)	Anna Maria Bigatti	03 Apr 2014 11:52	New Function	100
357	CoCoALib		Normal	Constructor for vectors? CoCoAVector	Anna Maria Bigatti	12 Feb 2020 14:43	New Function	100
356	CoCoALib		Normal	IsZeroDivisor	Anna Maria Bigatti	17 Apr 2014 09:23	New Function	100
355	CoCoALib		Urgent	Colon of zero ideal fails (zero-divisors)	Anna Maria Bigatti	30 Oct 2013 10:52	Maths Bugs	100
351	CoCoALib		Normal	Problems with DenseMatImpl::myResize	Anna Maria Bigatti	17 Apr 2014 08:24	Safety	100

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349	CoCoALib		Urgent	IdealOfPoints: gens are actually a GBasis	Anna Maria Bigatti	29 Oct 2013 13:39	New Function	100
335	CoCoALib		Urgent	Equality of (sub)modules	Anna Maria Bigatti	29 Oct 2013 13:33	New Function	100
312	CoCoALib		Normal	LongRange(a,b) returning vector of long a..b (included)	Anna Maria Bigatti	03 Apr 2014 11:38	New Function	100
310	CoCoALib		Normal	ordering and grading (weights) matrix	Anna Maria Bigatti	31 Jul 2014 17:50	Renaming	100
304	CoCoALib		High	Module ordering and grading (and shifts)	Anna Maria Bigatti	31 Jul 2014 15:01	New Function	100
298	CoCoALib		High	Valgrind: keep CoCoALib at 0 memory leaks	Anna Maria Bigatti	01 Aug 2014 08:21	Safety	100
288	CoCoALib		Normal	DynamicBitset example using LPP	Anna Maria Bigatti	17 Apr 2014 15:23	Documentation	100
256	CoCoALib		Normal	Improve doc about ordering/grading for poly rings	Anna Maria Bigatti	14 Mar 2023 19:52	Documentation	100
248	CoCoALib		Normal	IsDivisible for RingElem with nice interface	Anna Maria Bigatti	01 Apr 2014 19:13	New Function	100
241	CoCoALib		Normal	AreMonomials	Anna Maria Bigatti	01 Oct 2012 18:26	New Function	100
236	CoCoALib		Normal	Add homog (homogenized) for ideal	Anna Maria Bigatti	23 May 2013 08:26	New Function	100
234	CoCoALib		High	Update/Improve geobucket documentation	Anna Maria Bigatti	03 Apr 2014 11:51	Documentation	100
224	CoCoALib		Normal	Leading form	Anna Maria Bigatti	27 Jan 2014 14:59	New Function	100
223	CoCoALib		Normal	Automatic mapping of RingElems	Anna Maria Bigatti	10 Jul 2014 13:38	New Function	100
219	CoCoALib		Normal	myDeriv for RingDenseUPolyClean still missing	Anna Maria Bigatti	02 Apr 2014 08:49	New Function	100
215	CoCoALib		Normal	Janet Bases: check and include code in CoCoALib (first prototype)	Anna Maria Bigatti	24 Mar 2016 11:50	New Function	100
209	CoCoALib		High	ReadExpr: input polynomials in CoCoALib	Anna Maria Bigatti	27 Aug 2014 18:38	New Function	100
203	CoCoALib		High	Function to get the Hilbert Polynomial ring from GlobalManager	Anna Maria Bigatti	03 Apr 2014 11:52	New Function	100
178	CoCoALib		Normal	IsHomog: should it throw an error when there is no grading?	Anna Maria Bigatti	29 Oct 2013 14:25	Safety	90
160	CoCoALib		Normal	Cleanup doc for rings	Anna Maria Bigatti	28 May 2012 14:11	Documentation	100
116	CoCoALib		Urgent	ordering matrices with rational coefficients	Anna Maria Bigatti	02 Apr 2012 15:22	New Function	100
86	CoCoALib		Normal	Clean up DivMask and doc	Anna Maria Bigatti	06 Feb 2012 19:33	Documentation	100
85	CoCoALib		High	QuotientRing problem	Anna Maria Bigatti	05 Jul 2012 10:11	Maths Bugs	100
70	CoCoALib		Normal	Index page for html documentation	Anna Maria Bigatti	04 Jul 2012 10:50	Documentation	100
68	CoCoALib		Normal	cleanup doc for matrix, MatrixViews, *Matrix*,....	Anna Maria Bigatti	31 Jul 2014 16:56	Documentation	100
65	CoCoALib	Feature #68: cleanup doc for matrix, MatrixViews, *Matrix*,....	Normal	matrix - MatrixView	Anna Maria Bigatti	04 Jul 2012 10:49	Documentation	100
63	CoCoALib		Normal	Add links to examples in documentation	Anna Maria Bigatti	30 May 2012 13:40	Documentation	100
36	CoCoALib		Urgent	Saturation	Anna Maria Bigatti	05 Dec 2011 18:27	Maths Bugs	100
30	CoCoALib		High	SwapRows, Cols	Anna Maria Bigatti	05 Jul 2012 10:40	New Function	100
29	CoCoALib		Normal	CoCoA website: update web page for CoCoALib-0.9950	Anna Maria Bigatti	02 Apr 2014 15:39	Documentation	100

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28	CoCoALib		Normal	rename RingQ, RingZ --> RingQQ, RingZZ	Anna Maria Bigatti	10 Feb 2012 18:41	Renaming	100
24	CoCoALib		Normal	object files collected in one directory	Anna Maria Bigatti	14 Oct 2020 15:35	Makefile	100
21	CoCoALib		Normal	Rename NumTheory and NumTheoryQQ	Anna Maria Bigatti	13 Jul 2012 15:28	Renaming	100
1	CoCoALib		Normal	MachineInteger --> MachineInt	Anna Maria Bigatti	09 Nov 2011 17:40	Renaming	100