

# CoCoALib

	2024-4				2024-5				2024-6				2024-7				2024-8				2024-9							
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
CoCoA																												
CoCoALib																												
CoCoALib - CoCoALib-0.99900																												
Redmine Administration																												
Design new errors using inheritance																												
Which names to use? Intersection/saturation (...)																												
New function: IdealWithIncrementalGBasis(l, (...)																												
Documentation: translation table																												
New class: exterior algebra																												
ideal: does const ourGetPtr really (...)																												
Create PolyOps-RingElem?																												
Move to C++14 (skipping C++11)																												
subresultant																												
HilbertDriven Buchberger Algorithm																												
Filling matrix row/col from a vector																												
GFan: port CoCoA_5 functions into (...)																												
Adjoin indets to a poly ring																												
Get indexed indets from a polyring																												
Idea for for loops																												
Extended rationals: PlusInfinity (...)																												
submat of a submat																												
SLUG: Printing PPs with many indets																												
Convenient RingHom pseudo-ctors																												
Factorization in $K(a,b)[x,y]$																												
ElimMat is slow																												
Sparse matrix (SparseMat)																												
Coding guidelines																												
Signal handler not portable?																												

**Intersection of Ideals: has GBasis?**  
**Implement monic0(f) for the case (...)**  
**Add LM to coconutlib ?**  
**MachineInt: chase through ULL (...)**  
**Documentation: a good model to (...)**  
**swap for new classes**  
**Random and threadsafe?**  
**Suggestion: Add "JumpTo" function (...)**  
**Use C++ attributes**  
**Finalize design for ideals in CoCoALib**  
**Code & doc structure: one-big-file (...)**  
**Add flag IhaveHomogGensValue (...)**  
**Add function IsHomog3(I)?**  
**Add new function for IsInRadical (...)**  
**Add a function CleanupGens making (...)**  
**Tidying ideal generators (for non-polynomial (...)**  
**Improve trivial operations with (...)**  
**Use long long (at least sometimes)?**  
**Release CoCoALib 0.99900**  
**Some tests have become slower**  
**Ensure tests do not need too much (...)**  
**JSON and UUID**