

# CoCoALib

	2023-10				2023-11				2023-12				2024-1				2024-2				2024-3				
	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
CoCoA																									
CoCoALib																									
CoCoALib - CoCoALib-0.99650 November (...)																									
Bareiss algorithm																									
Matrix determinant over ZZ																									
Replace auto_ptr in preparation (...)																									
txt2tags: double quotes wrong in (...)																									
GCD very slow																									
Rename iroot?																									
Primary Decompositon (zero-dim) (...)																									
gcd crashes (Floating point exception)																									
New function: HasPositiveGrading																									
HilbertSeries should check grading																									
NewPolyRing default indet names																									
IsPrime(0)																									
MinPolyQuot: guaranteed and ideal (...)																									
principal ideal has a Gbasis																									
SEGV: CoCoALib with Normaliz in (...)																									
New function: radical for monomial (...)																									
RingID: different values in test-output (...)																									
C++14: use nullptr																									
ThreadsafeCounter is now obsolete?																									
Release 0.99650																									
Printing for (prime) finite fields																									
Never use "using namespace .." (...)																									
New fn: FixedDivisor (formerly (...)																									
CoprimeFactorBasis: mishandles (...)																									
New function primorial																									

**Factorization mod p**

**SmoothFactor: allow limit = 1?**

**RealRoots: gives odd number of (...)**

**txt2tags: LaTeX/PDF section numbers (...)**

**New syntax for creating homomorphisms (...)**

**New syntax for NewQuotientRing**

**New function: vector of RingElem (...)**

**Rename SparsePolyOps-MonomialIdeal (...)**

**Problem with linking the library**

**New function: ctor of PPVector (...)**