

# CoCoALib

	2024-10				2024-11				2024-12				2025-1				2025-2				2025-3			
	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 (...)**