

# 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		
<b>CoCoA</b> <b>CoCoALib</b> 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	<b>CoCoALib</b>																											

**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 (...)**