

# 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-0.99800																												
Adjoint of a non-invertible matrix																												
object files collected in one directory																												
Porting "LinKer"																												
Replace bool3 by tribool																												
Keep CoCoALib web page up to date! (...)																												
C++14: MachineInt																												
Instructions for compiling libnormaliz																												
valuation slow for large inputs																												
MemPool: review min and max loaf (...)																												
ar gives warnings on fedora 23																												
Function MakeTermOrd should be (...)																												
Janet basis code: TmpJB files give (...)																												
SimplestBigRatBetween: why is it (...)																												
SmoothFactor: slow when a factor (...)																												
Split MatrixOps																												
Reconsider design for accessing (...)																												
FreeModule: get canonical basis																												
Tidy up code for matrix determinant																												
adj: for matrices 7x7 and bigger																												
Radical 0-dim: varied timings																												
GBasisTimeout: not working as expected																												
RingElems: syntax with [ and ] (...)																												
SHA checksum for released code																												
New fn: interreduction																												
Radical 0-dim NYI? missing case (...)																												

Flatten for a matrix  
Make SmoothFactor interruptible  
Redesign interrupt mechanism?  
Name of TensorMat; change to KroneckerProd?  
Change CoCoA\_ERROR into CoCoA\_THROW\_ERROR  
SmoothFactor: use FactorMultiplicity  
Change syntax apply(phi,M) into (...)  
isystem not working as expected  
Release CoCoALib 0.99800  
IsPowerOf2 for rationals  
ker bug (quotientinghom for R/ideal())  
New function: MinusOneToPower  
Normaliz 3.8.9  
factorization: allow zero as exponent?  
IsDivisible in a field?  
Indets in coeffring are ringelems (...)  
RandomLinearForm  
Input fns: action when when istream (...)  
MacOS compilation with clang  
INPUT questions  
RingElem from string (ReadExpr)  
Require decimal mode for ostream?  
Software licence  
CpuTimeLimit: more frequent clock (...)  
BigRat: ctor from machine int  
IsInRadical: gives "weird" error  
FloatStr sometimes produces NUL (...)  
New fn prim for polys  
CRASH/ABORT: GMP overflow  
IdealOfPoints: allow matrix of (...)  
CRASH: LinKerZZ  
Compilation of Normaliz  
Normaliz 3.8.10  
RingHom: implement phi(X) as apply(phi, (...))

**Compilation ambiguity**

**binomial: domain of defn?**

**Domain of definition of NextPrime (...)**

**Merge the doc file RadicalMembership.txt (...)**

**UnivariateIndetIndex: exact semantics**

**Tidy ex-RingElem2**

**Use new C++ keyword override**

**Use keyword "delete" for deleted (...)**

**Make polynomial multiplication (...)**

**radical: could be more clever**

**Discriminant: return value**

**Remove ability to compile CoCoALib (...)**

**SEGV in resultant**

**DocTeX.t2t missing several "index (...)**

**boost\_1\_80\_0**