CoCoA-5

	2023-10			2023-11				2023-12					2024-1					2024-2				2024-3			
	40	41	42	43	44	45	46	17 48	49	50	51	52	1	2	3	4	5	6	7	8	9	10) 11	12	13
CoCoA CoCoA-5 unistd and call to access in Main.C ./C5.bin: fork: Resource temporarily () CoCoA-5 - CoCoA-5.2.0 spring 2017 CoCoAManual HTML: page for "Try" Normaliz tests for CoCoA5 ReducedGBasis not memorized in () Use of dollar-dot (\$.) in packages Manual: automatically check all ()	0	41 CoCo Close Close Close	42 0A-5	.0 sp % % %		45		<u> </u>	49		_	52	1	_	·	4	5	_	_		9	10			13
Manual: automatically check all () Release: CoCoA-5.2.0 ExternalLib Normaliz: verbose flag? External Libs: print credits? Primary Decomposition in CoCoA-5: () Primary Decomposition in CoCoA-5.1.6: () Handle interrupts more helpfully Emacs UI: return inside a block () readline: fix script for finding ()	000000000000000000000000000000000000000	Close Close Close Close Close Close	ed 100 ed 100 ed 100 ed 100 ed 100 ed 100 ed 100	% % % % % %																					
fix OnlineManual.C so that version () CoCoA-5 manual: IsInteger and IsRational () Der, Bin: why the capital letter? GBasis of product of ideals is () Easier syntax to make a PRINCIPAL () RingElem applied to a symbol (repr () subst should check that indet is () gin: return/print a suitable change () New function CallOnGroebnerFanIdeals: () ReadExpr: decimal point	000000000000000000000000000000000000000	Close Close Close Close Close Close	ed 100	% % % % % %																					

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UniversalGBasis: sometimes gives ()	Closed 100%
Add "exit" in addition to "ciao"	Closed 100%
New function: StdBasis (standard ()	Closed 100%
New function: SymmetricPolys	Closed 100%
Manual: XML problem with html doc	Closed 100%
New function: multigraded BettiNumbers	Closed 100%
GroebnerFanldeals: verbosity and ()	Closed 100%
SEGV: Toric example from Kazuki ()	Closed 100%
LaTeX(x^10) should use curly brackets	Closed 100%
New function: IdealOfGBasis	Closed 100%
Emacs UI: sending empty input from ()	Closed 100%
Emacs UI: cocoa5-send-line skips ()	Closed 100%
New function: SetGBasisAsGens [> ()	Rejected 100%
Interpreter: limit range for "" ()	Closed 100%
Readline: cursor moves wrongly ()	Closed 100%
Emacs: sent interrupt to CoCoA	Closed 100%
CoCoAManual: entry for SetVerbosityLevel/Ver	bosityLevel
New function: IsCoprime	Closed 100%
New function: SectionalMatrix, ()	Closed 100%
Error message from cocoalib to ()	Closed 100%
CoCoA-5 no longer lists the external ()	Closed 100%
NewPolyRing with user defined ordering ()	Closed 100%
ReadExpr(P, string) and RingElem(P, ()	Closed 100%
CoCoA-5 - CoCoA-5.3.0	CoCoA-5.3.0 100%
Type info in CoCoA-5 manual	Closed 100%
GUI compilation: GMP is not naturally ()	Closed 100%
CoCoA5 GUI; failed build "wrong ()	Rejected 100%
GUI: fix DEFINES in makefile	Closed 100%
Emacs UI: strange string literal ()	Closed 100%
Error message: I was expecting	Closed 100%
Find out how to compile statically ()	Closed 100%
Option to "fold" long lines?	Closed 100%
ImportByRef and ImportByValue behave ()	Closed 100%
Emacs UI: comint buffer silently ()	Closed 100%

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CoCoA-5 distribution: tidying	Closed 100%
make htmldoc always recreates everything ()	Closed 100%
Using protected variable names ()	Closed 100%
Chebyshev polynomials	Closed 100%
CoCoA Manual: consistent spacing ()	Closed 100%
CoCoAManual: add a page with some ()	Closed 100%
Web site	Closed 100%
CoCoA-5 tests directory: cleaning	Rejected 100%
NewRingFp obsolescent; superseded ()	Closed 100%
Release CoCoA-5.3.0	Closed 100%
Lexer: unclosed multi-line comment	Closed 100%
ExternalLibs return empty list	Closed 100%
PrimaryDecomposition with lex ordering	Closed 100%
system command	Closed 100%
Add "socket" devices	Closed 100%
CartesianProductList: case of just ()	Closed 100%
John's visit Feb 2019	Closed 100%
New function: Read a string into ()	Closed 100%
sleep function	Closed 100%
Manual page for CantStop	Closed 100%
ASCII function	Closed 100%
NewPolyRing and SymbolRange together ()	Closed 100%
SortBy and SortedBy sometimes give ()	Closed 100%
CartesianProductList: too slow	Closed 100%
Website: trouble with the world ()	Closed 100%
len for RINGELEM ?!?	Closed 100%
assert-function for cocoa5	Closed 100%
NewPolyRing: allow symbols with ()	Closed 100%
Manual looking for "?"	Rejected 100%
Linking problem	Closed 100%
THINGS TO DO IN GENOVA September ()	Closed 100%
Wrong links on page about COCOA ()	Closed 100%
Manual entry about reporting bugs?	Closed 100%
Matrix row reduction (rref)	Closed 100%

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Cloop CoCoA E/tooto directory	Closed 100%
Clean CoCoA-5/tests directory	Closed 100%
RealRoots fails on -x^2	Closed 100%
SEGV when debugging is active	Closed 100%
Emacs UI: emacs does not recognize ()	Closed 100%
Inconvenient PolyRingHom, PolyAlgebraHom	Closed 100%
Typevectors	Closed 100%
sylvester or SylvesterMat?	Closed 100%
ManExamples: some problems	
Clean out OBSOLESCENT	Rejected 100%
cocoa5 (launch) script: sleep time	Closed 100%
Emacs UI: should active input line ()	Closed 100%
Emacs UI: start cocoa5 with system ()	Closed 100%
CoCoA-5.3.0: release linked with ()	Closed 100%
Improve manual for mod	Closed 100%
Add function power to CoCoA-5	Closed 100%
SEGV: should have been harmless	Closed 100%
NewPolyRing on MS Windows	Closed 100%
NewPolyRing and SymbolRange	Closed 100%
valgrind: reports 456byte leak	Closed 100%
IsIndetPosPower: behaviour and ()	Closed 100%
John's visit Feb 2020	Closed 100%
CoCoA-5 test: radical too slow	Closed 100%
CoCoA-5 interpreter: idle/busy ()	Closed 100%
Title of manual entry: tutorial ()	Closed 100%
Parolacce e basi border	Closed 100%
Which commands should "terms" be ()	Closed 100%
CoCoAManual - tex: error if syntax ()	Closed 100%
IsDivisible also for INT	Closed 100%
IdealOfProjectivePoints and MinGens: ()	Closed 100%
SEGV: error("")	Closed 100%
'UNCAUGHT UNKNOWN EXCEPTION' when ()	Closed 100%
` [Closed 100%
ABORT for unterminated string literal	Closed 100%
New function: LinearForm	Closed 100%
CoCoAInterpreter: executable size	

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```
CoCoA-5 - CoCoA-5.0.2
  Add "syntax" to online manual
  CoCoA-5 Manual
  Modify the packages so that -w3 (...)
  Porting package "primary.cpkg" (...)
  Sort entries in CoCoAHelp.xml and (...)
  "<=" for ideals
  Makefile problem with GUI on linux
  Unhandled division by zero in FFp
  SmoothFactor should allow large (...)
  PP ordering bug
CoCoA-5 - CoCoA-5.0.3
  source region
  How to get the version number of (...)
  GUI: problem with "--" comment
  RealRoots should use IsRational
  Packages: should exported functions (...)
  Bad error mesg using operator ":"
  Surprise return type for GCD of (...)
  wordlist.txt generation
  Conversion from bool to INT
  JAA does not like the name IndetInd
  May AsRAT produce an INT?
  Multiplicity sometimes wrong
  RegularityIndex <= 0
  RealRootsApprox bombs
  Dim/Multiplicity with Lex ordering (...)
  add customization for --fullCoCoALibError (...)
  MAT/INT? MAT/RINGELEM?
  Banner for CoCoA-5
  LCM(0,x)
  malloc ERROR
  Slow lex gbasis
  indent prints strings without quotes
```

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Unhandled CoCoALib error: mixed (...) segmentation fault with function (...) **BuiltIn Normaliz functions not (...)** NBM: add to CoCoA-5 Makedependencies of CoCoA-5 fails (...) Trouble on Linux: many CoCoA-5 (...) **BuiltIn Normaliz functions not (...)** Cyclotomic(106743) fails test lecture-HF4 EmacsUI: indentation is wrong with (...) Rename IndetsCalled to indets Add CpuTime to C5 manual (Multi)BlockMatrix manual entry for "indent" Mat(Module) should give error Interpreter SEGV basic_string::erase error in interpreter C5 cannot compute derivative of (...) CoCoA website: CoCoA-5.0.3 pages CoCoA-5 - CoCoA-5.0.9 Elim(t, I) Make the new fn CoefficientsWRT (...) Hilbert series: global output rings (...) Add I*f and f*I (RINGELEM and IDEAL) BuiltinFunctions.C getting too (...) HilbertBasis segv port homog/homogenized for ideal (...) Function for accessing the pointed (...) implement "indent" for modules CoCoAManual: display syntax first Swap Is it possible to have R^3 for (...) CoCoA website: CoCoA-5.0.9 pages Incr command/function

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OnlineHelp: Problem with "><" (...) Resurrect LinearSimplify add IsFactorClosed Add Frobby functions to cocoa-5 add Value::from(factorization<..>) add Value::from(HPSeries) problem with ContentFreeFactor (...) What does interreduce do? Emacs UI: semicolon does not work (...) lambda keyword Not keyword/operator EmacsUI: indentation is wrong sometimes (...) intersection fails with zero ideal Emacs UI: names of emacs fns CoCoA-5.0.9 release (admin, overheads, (...) CoCoA-5 - CoCoA-5.1.0 Easter14 Printing matrices: I/O unified (...) Default reason for protected variables CoCoAManual: Doc for new commands TeX documentation for CoCoA-5 CoCoAManual: entries for operators add modules and module operations describe \$package HilbertBasis: cocoa vs normaliz Normaliz functions not available (...) BuiltInFunctions: more flexible (...) How to obtain an integer from a (...) CoCoAManual: entry for "and", "or", (...) Remove/replace the word "vector" (...) New function: IsZeroDivisor implement LF/DF for an ideal write documentation for TgCone (...) Emacs User Interface: Easier binding (...)

add function to compute minimal (...)

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IsZero for matrix

Naming conventions: upper or lower (...)

Resurrect ReInotes()

New fn to increase max recursion (...)

FloatStr

Emacs UI: C-c C-e does not ignore (...)

CoCoA-5.0.3 Microsoft std::bad alloc

Emacs UI: updating abbrev-table

Emacs UI: semicolon problems

Make man page for "It" easier to (...)

Emacs UI: cocoa5-close-block should (...)

Nested multiline comments

Record keyword

Multiline string literals - useful (...)

Eliminate package approx

Multiline comments -- obsolescent?

CoCoAManual: Doc for strings

Emacs UI: installation on Mac OS (...)

CoCoAManual: add page about creating (...)

New fn/object type: timer

submodule: minimalize, minimalized

SyzOfGens (CoCoA-5) does not have (...)

EmacsUI: lower case keywords

Naive version of resolution and (...)

New package: OBSOLESCENT

Remove float.cpkg5

CoCoAManual: improve part on data-types

sorted gives wrong answer sometimes

CoCoAManual: improve part on language

CoCoAManual: semi-automatic check (...)

Release: CoCoA-5.1.0

CoCoA-5 - CoCoA-5.1.1 Seoul14

How to get the compilation flags (...)

Function "Call"

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CoCoAManual: obsolete entries in (...) Function "insert": obsolescent Misprints suggestions: Z --> ZZ BringIn should allow reduction (...) Anonymous symbols: should they (...) Unescaped double quote inside superstring NmzComputation: the powerful NormalizComputation (...) Meaningful error for functions (...) Distribution for linux Package for Polynomial Algebra (...) Bug in Radical (actually a RingHom (...) How to test (automatically) a user (...) BuiltInFunctions: General "OneLiner" (...) Value::from makes BigIntValue::fromInt (...) interpreter proposes no near misses (...) Correct font for variable references (...) Syzygy for modules: homogeneous (...) MacOS version with static gcc libraries Ungraceful behaviour: Source inside (...) Subtle bug with CoeffEmbeddingHom **EMACS UI: fix windows splitting**

Misuse of dot-dot operator

EMACS UI: trouble with sending (...)
CoCoAManual: New structure for (...)
Emacs UI: split horizontally instead (...)
Evaluate in other ring (was called (...)
CoCoAManual: Help page for porting (...)

Cleanup Hilbert package hp.cpkg5 incr/decr functions: to be used (...)
BuiltInFunctions: remove calls (...)
BuiltInFunctions: evalArgAsT1OrT2, (...)
Unify releases for Linux 32 and (...)
Interpreter: problem when calling (...)

ideal wants LIST of RINGELEM

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Automatic conversion from RINGELEM (...)

C5 BuiltinFunctions.c fn RingElem

Port function MantissaAndExponent2

CoCoAManual: improve part on tagging

Emacs UI: unrecognized keywords (...)

Remove ZMOD type from CoCoAInterpreter

Online help: problem with "<>"

Emacs UI: coloured syntax in output (...)

Disallow juxtaposition for string (...)

Resume code for "gin" (generic (...)

CharPoly(MAT) and MinPoly(MAT) (...)

rename BigIntValue, IdealValue (...)

function "packages"

Resume CheckArgTypes

Release: CoCoA-5.1.1

Emacs UI; remove send-buffer?

Emacs UI: C-return for send-line (...)

Package "empty.cpkg5"

Resume MayerVietorisTreeN1

CoCoA-5 - CoCoA-5.1.2 summer 2015

CoCoA-5 emacs interface bug (minor): (...)

How to add a test for CoCoA-5 (CoCoAInterpreter)

BuiltInFunctions: evalArgAsLong

Approx pts preprocessing fns

Should SourceRegion echo the "region"?

RingOf for list

CoCoAManual: add entry summarising (...)

Initialization for CoCoA-5: file (...)

Duplicate fns: valuation and FactorMultiplicity

Manual: duplication in "see also" (...)

Printing rings with ID

package for subalgebras

Release: CoCoA-5.1.2

New function: RandomSubset

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Symbol in the coeff ring GenRepr fails if there are zero (...) Flag to enable/disable printing (...) Rename adjoint to adjugate??? Remove keyword "weights"? Emacs UI: wrong name after auto-inserting (...) Emacs UI: set back "cocoa5-executable" (...) rename MinGensGeneral? meaningful error for IDEAL <= IDEAL CoCoAManual: improve part on RINGHOM Readline: consider creating a textual (...) TopLevel cannot "import" a package (...) Primary Decomposition in CoCoA-5: (...) Primary Decomposition in CoCoA-5.1.2: (...) Readline: avoid printing out READLINE (...) CoCoA-5 - CoCoA-5.1.3/4 Jan 2016 Added 3 times defn of isblank fn odd and even numbers for snapshots/official (...) Interpreter interrupt delayed confusingly Release: CoCoA-5.1.3 and CoCoA-5.1.4 MacOSX: many warnings with compiler (...) CoCoA-5 test (SourceAnna); problem (...) Emacs UI: problems with packages (...) Which external libs are present? Primary Decomposition in CoCoA-5.1.3: (...) description of a RING **Evaluating a QuasiPol** CoCoA version number: copy CoCoALib Rename Log to exponents Rename LogToTerm to MakeTerm New fns: MaxBy and MinBy to find (...) **BuiltinFunctions -- getting too (...)** IsMaximal, IsPrimary for IDEAL (...) CoCoA-5 - CoCoA-5.2.2

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CoCoA-5 (partial) releases: make (...)

Linking problems in CoCoA-5 GUI

CoCoA website: download pages and (...)

Compiler g++ 4.2.1 (clang-503.0.40) (...)

Release: CoCoA-5.2.2

Error column indicator misaligned (...)

Interpreter: Avoid outputting an (...)

C5 GUI: slow to close

use poly ring with many variables (...)

Rename Fact to factorial?

Check all fns in packages work (...)

SqFreeFactor: small (or big) bug?

Makefile: install target for cocoa5

CoCoAManual for "all cocoa commands"

Random seed fn

Rename minimalized(I) into IdealOfMinGens(I)?

CoCoA Manual: search should ignore (...)

CoCoAManual for verbosity: how (...)

IsInRadical: fragile code

CoCoAManual: duplication (2 pages (...)

describe ring: add final newline

IsRadical bug?

"Randomize" and "Randomized" obsolete?

RelNotes: current version or all (...)

CoCoAManual: entry for radical

intersect: problem with zero generators

New function: PrevPrime

EmacsUI: get error "wrong-type-argument (...)

ExternaLib-MathSAT: (first) prototype (...)

Design issues for discussion in (...)

TimeOut not working as hoped/expected

PrimaryDecomposition0: says not (...)

Emacs UI can be slow in M\$ Windows

Mailing list for CoCoAUsers

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HomomorphismFns.cpkg5 no longer (...) Radical bug Latex: ideal Radical problems ImplicitModular: too many bad primes NewZZmod: port to CoCoA-5 CoCoA-5 - CoCoA-5.2.4 Unhelpful error messages when SmallExponent t (...) ApproxSolve very slow on this example CommonDenom: for polys and lists? (makefile) New "clean" target which (...) Some other examples for 0-dim radical New fn: RandomLinearForm Release CoCoA-5.2.4 Release: problems with sed **FactorAlgExt** Manual: loading manual entries (...) MinSubsetOfGens: problem with generators (...) Product of empty list: manual and (...) HilbertBasisKer: unhelpful error (...) HilbertBasisKer: SEGV (again) ApproxSolve: log(0) on some examples New package: poset New package: arrangements CoCoA-5 - CoCoA-5.3.2 cocoa5 script for releases EmacsUI: sending line with "7" (...) Release CoCoA-5.3.2 CoCoA-5 - CoCoA-5.4.0 Font for parameters in manual CoCoALib BuildInfo vs CoCoA-5 VersionInfo Describe should indicate package (...)

Should "minimalize" be obsolescent?

subalgebra package obsolete?

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Manual for CoCoAManual/CoCoAHelp.xml

Evaluate in ring operator (was (...)

Interpreter: is it possible to (...)

Interpreter error message: "for" (...)

Package protected variables should (...)

Distinguish indets from symbols (...)

Undesirable consequence of automatic (...)

Ring constructor: allow empty range (...)

Builtin fn makes unnecessary copy (...)

Local variables hiding out ones (...)

External libs: interrupting not (...)

RationalSolve: wrongly complains (...)

CoCoA-5 prompt for incomplete input

Release for MacOS: compilation (...)

Readline: does not recognize interrupts

CoCoAManual: searching for ?? mat (...)

ConcatList or ConcatLists

package of a function --> of an (...)

Rename HilbertBasisKer into LinKerHilbertBasis?

Package exported function: wrong (...)

CoCoAManual: ensure that LaTeX (...)

RationalSolve: gives "Error: must (...)

RationalSolve: gives wrong answer

Documentation for how to write (...)

RationalSolve: use MinPolyQuot (...)

Groebner Bases over ZZ

Better err mesg for easy typo in (...)

CoCoA-5 tests may fail even if (...)

How can user find the indent command?

CoCoA-5 header files: should use (...)

ApproxSolve: another slow example

Website: download page for CoCoA-4 (...)

Crashes if CoCoAHelp.xml is missing

Website: hide/delete all the CoCoA-4 (...)

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Tagged values (Hilbert Series)

Emacs UI: font size

Juxtaposition of string literals

Illegal instruction

Manual entry for RandomLinearForm

CoCoA Manual: make search keys (...)

In a release: which files inside (...)

Manual entries for mod and div

Automatic mapping for multiplication?

Release CoCoA-5.4.0

HilbertBasis: clarify

CoCoA release for linux: CoCoAInterpreter: (...)

EOF for OpenIFile

Unhelpful error message for package (...)

Automatic ring mapping in assignment?

Package exporting nothing?

Export many names or just one?

testing for syntax errors

OnlineHelp: XMLFileName

EmacsUI: fix "Go to Error C-c C-p"

Remove XMLFileName from Main.C

wordlist without OBSOLETE entries?

RingElems with empty input

Package with unexpected EOF

Cocoa crashes when calling RingElems

substring function

Replace BOOST_FOREACH by new C++14 (...)

wrong SystemCommand exit value

CoCoA Manual: homogenize obsolete/obsolescent (...)

EmacsUI: help/manual for selected (...)

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