

CoCoALib - Support #1196

Split MatrixOps

26 Jun 2018 11:31 - John Abbott

Status:	Closed	Start date:	26 Jun 2018
Priority:	Normal	Due date:	
Assignee:	John Abbott	% Done:	100%
Category:	Tidying	Estimated time:	3.55 hours
Target version:	CoCoALib-0.99800	Spent time:	3.55 hours
Description			
Consider splitting the file MatrixOps.C into subfiles with the same prefix. Currently it is over 2000 lines long.			

History

#1 - 01 Oct 2019 11:41 - John Abbott

- Target version changed from CoCoALib-0.99650 November 2019 to CoCoALib-0.99700

#2 - 09 Jan 2020 12:20 - John Abbott

- Target version changed from CoCoALib-0.99700 to CoCoALib-0.99800

#3 - 28 Aug 2020 13:47 - John Abbott

- Status changed from New to In Progress

- % Done changed from 0 to 30

For "other reasons" I have split off the code related to computing determinants: this code is now in **MatrixOps-det.C**
Amazingly, the det code is longer than all the rest put together :-/

Compiles, and all tests pass.
Not yet checked in.

PS moved signature to combinatorics.H and made it publicly available.

#4 - 25 Sep 2020 14:02 - John Abbott

- Status changed from In Progress to Resolved

- Assignee set to John Abbott

- % Done changed from 30 to 80

This is now mostly done.

There are now 7 files: original, adj, arith, det, KroneckerProd, LinKerZZ, norms, rank, rref.

I have not yet decided how to deal with LinKer, LinSolve, and inverse.

There really ought to be a single gauss impl (or at least fewer than there currently are!)

#5 - 29 Oct 2020 21:42 - John Abbott

- *Status changed from Resolved to Closed*
- *% Done changed from 80 to 100*
- *Estimated time set to 3.55 h*

The current situation is acceptable. Further splitting might be a good idea at some point, but it is not so important. If anything MatrixOps-det needs to be split...

The question about a unified impl of gauss is already a separate issue ([#1491](#)).