

CoCoALib - Design #1465

mul(MAT,MAT,MAT)

20 Jun 2020 21:40 - John Abbott

|  |                  |                 |             |
|--|------------------|-----------------|-------------|
| Status:  | In Progress      | Start date:     | 20 Jun 2020 |
| Priority:  | Normal           | Due date:       |             |
| Assignee:  |                  | % Done:         | 10%         |
| Category:  | Tidying          | Estimated time: | 0.00 hour   |
| Target version:  | CoCoALib-0.99880 | Spent time:     | 0.45 hour   |
| Description  |                  |                 |             |
| There is a fn mul(MAT,MAT,MAT)<br>Is it any use?<br><br>The impl is exception-safe, so internally it creates a new mat, and then swaps it into the first OUT arg. So it does not appear to be "efficient". |                  |                 |             |

History

#1 - 20 Jun 2020 21:42 - John Abbott

- Status changed from New to In Progress
- % Done changed from 0 to 10

I have commented out the fn, and modified power(MAT,n).  
Everything compiles and runs fine.

I suggest eliminating mul(M,M,M) Also C++14's "move" ability should also make it obsolete.

What do you think?

#2 - 29 Oct 2020 13:46 - John Abbott

- Target version changed from CoCoALib-0.99800 to CoCoALib-0.99850

Perhaps it could make sense to have a version of mul(mat,mat,mat) which is deliberately not exception safe (but also avoids reallocating memory). We would need to make a test to whether this idea is actually useful...

**NOTE:** the use of mul inside power is such that power remains exception-safe even if mul is not!

#3 - 16 Feb 2024 10:04 - John Abbott

- Target version changed from CoCoALib-0.99850 to CoCoALib-0.99880