Graduate School
UNIVERSITY OF COLORADO **BOULDER**

Thesis Approval Form

Student Name __Lucas Gagnon_____ Student ID __*********_____

__Doctoral_____ Degree in __Mathematics_____

Thesis Title:

Advances in the Combinatorics of the Unipotent Upper Triangular Groups

Have you performed research involving human subjects which requires approval from the Institutional Review Board (IRB)? ___ Yes _X_ No

IRB Protocol Number _____

Have you used live animals, animal tissue, or observational animal work which requires approval from the Institutional Animal Care and Use Committee (IACUC)? ___ Yes _X_ No

IACUC Protocol Number _____

Attach the final copy of thesis/dissertation for committee review. While formatting changes may be requested by the Graduate School, the content of the attached document should be final.

Approvals:

Committee Chair Name __Nathaniel Thiem_____

Signature __Nathaniel Thiem_____ Date Signed __5/31/2022_____

Committee Member Name __Richard Green_____

Signature __Richard M. Green_____ Date Signed __5/31/2022_____

The final copy of this thesis has been examined by the signatories, and we find that both the content and the form meet acceptable presentation standards of scholarly work in the above-mentioned discipline.