



*Defense of a Doctoral Dissertation*

**Improvements in Computational Techniques for Determining Ideal Class Groups  
and Class Numbers**

by

**Muhammed Rashad Erukulangara**

*for the Ph.D. degree in*

Mathematics, Concentration Pure and Applied

Monday, June 24, 2024

4:00pm

NES 104

THE PUBLIC IS INVITED

**Examining Committee:**

*Major Professor:* Jean-Francois Biasse, Ph.D.

*Defense Chair/Committee Member:* Ruthmae Sears, Ph.D.

*Committee:* Dmytro Savchuk, Ph.D.

Natasha Jonoska, Ph.D.

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