



Department of  
Mathematical Sciences

# Graduate Student Colloquium

Mr. William Braubach

University of Wisconsin-Milwaukee

Friday,  
April 1, 2022

EMS Building  
Room E495  
12:30 pm



Mr. William  
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## Introduction to Coarse Homotopy Groups

In algebraic topology, homotopy groups of a space are a useful tool for various things. In large scale geometry there are analogous type of groups called the coarse homotopy groups. In this talk I will define in detail what these coarse homotopy groups are and show techniques used to calculate them.



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