**Undergraduate Research Project**

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| **Project Name:** | Homology of combinatorial simplicial complexes | **Number of Positions:** | 2 |
| **Supervisor:** | Jeremy Miller |
| **Supervisor e-mail:** | jeremykmiller@purdue.edu |
| **Project Description:** | There are various combinatorial simplicial complexes that are relevant for homological stability and related questions. The goal is to study these complexes and at a minimum compute small examples. |
| **Final Deliverables:** | Ideally, we will write a research paper. If we do not produce enough mathematics to do this, then we will see what makes sense to do with the project.  |
| **Weekly Working Hours** | Negotiable  |
| **For Credits/Voluntary**  | Either |
| **Desired Qualifications**  | Required: Math 572Preferred:  |

**If you are interested in participating in this research project, please send an e-mail to the supervisor e-mail listed above together with a resume, a list of what courses you’ve taken or a copy of your transcript, and a personal statement explaining why you are interested in this project.**