**Project-based research**

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| **Project Name:** | Simulations in the KPZ class | **Project ID:** | Leave Blank |
| **Supervisor:** | Chris Janjigian  | **Number of Positions** | 1 |
| **Project Description:** | Kardar-Parisi-Zhang statistics are conjectured to describe many roughly growing interfaces, ranging from forest fires to bacterial colonies. There are several projects available for an interested student to choose from, studying features of models in this class. |
| **Final Deliverables:** |  Depending on the project, the deliverables will be code, numerical evidence confirming or contradicting KPZ statistics, or pictures from simulations illustrating the behavior of the models. |
| **Weekly Working Hours** | 10 |
| **For Credits/Voluntary**  | Either |
| **Desired Qualifications**  | Required: MATH/STAT 416Preferred: MATH/STAT 532  |