Pacific Institute *for the* Mathematical Sciences

PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES VIRTUAL EXPERIMENTAL MATHEMATICS LAB (PIMS VXML) FINAL REPORT: PROJECT NAME

FACULTY MENTOR GRADUATE MENTOR
UNDERGRADUATE TEAM MEMBER 1, . . .

1. INTRODUCTION

Introduce the context for the problem, why it is interesting, and how it fits in the mathematical sciences landscape.

1.1. **The initial problem.** Describe carefully the initial problem you worked on.

1.2. **New directions.** Describe how the problem evolved as your research team worked on it. What directions did you pursue? What did you learn?

2. Progress

Describe partial (or full) answers to the questions you started with, or that emerged in the course of your research.

2.1. **Computational.** Describe the computational work you did on the problem. you can consider including psuedo-code (or actual code) here, if it will be helpful for a reader.

2.2. **Theoretical.** Describe the theoretical work you did on the problem, perhaps illustrating with a few well-chosen examples.

3. Future directions

Describe where the project could evolve moving forward.

REFERENCES