MY SOP: OUTLINE

ABSTRACT. In this document, I provide an outline of what my SOP is going to be like. Later, I will fill in the relevant portions from various places.

1. Sumary statement

I am applying for Ph.D. in mathematics as a first step towards a career in mathematical research. So far, I have grown fond of group theory, algebra, and representation theory and I would like to pursue research in these areas. I am also keen on achieving excellence in teaching mathematics.

2. My interest in mathematics

2.1. **How it began.**

2.2. **Eagerness to learn.**

2.3. **Potential for research.**

Appendix A. Competencies part

- Eagerness to learn (a reasonable MUST)
- Research potential (a reasonable MUST)
- Teaching initative (a SHOULD)
- Sharing initative (a Nice-to-have)

Appendix B. Areas of interest

- Group theory and representation theory
- Differential geometry
- Algebraic geometry (??)

Appendix C. Activities and achievements

- IMO 2003
- IMO 2004
-