

## MATH 402 Non-Euclidean Geometry

### Last reflection paper

In the second half of the semester, we discussed algebraic ways to study Euclidean and hyperbolic geometry: We worked in specified coordinates, and used these coordinates to determine isometries and other concepts.

*What is your view towards using algebra to study geometry? Did you think it was useful? If yes, what for, if not, why. What do you think would have happened if algebra was never introduced into geometry?*

Whatever your answer, explain it through examples. Please try not to address the question of difficulty, I understand that things were quite challenging. Instead, concentrate on the benefits or drawbacks without regard to skill of use.