

Graduate Student Research Projects

MAT 500 – Spring 2020

Due date: Friday, April 10, 2020

As part of the emphasis on research methods for graduate courses, each student in MAT500 is required to do a brief report on a topic which is not covered in the course, but is related in some way to the course material.

Some suggested topics are:

1. Intersections of Bezier Curves
2. Convergence of Midpoint Subdivision Algorithm
3. Catmull-Rom Splines
4. Knot Insertion for B-splines
5. Multivariate Splines

The report is expected to be between two and five pages, including a basic explanation and example or application. If time permits, reports may be presented to the class.

Scores for the report will be incorporated into the homework grade, counting as one more homework assignment.