Applied geometric modelling

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November 28, 2014

Abstract

1 Introduction

2 Theory

2.1 GMlib

GMlib is an open source geometric modelling library developed and maintained at Narvik University College, NUC, by the college's teachers and students. The library contains several modules for creating and visualizing parameterized objects, such as curves, surfaces and volumes.

2.2 Bezier

2.3 B-spline

2.4 Expressional rational B spline

2.5 Tesselation

3 Observations

4 Discussion

5 Conclusion