Three Dimensional Modeling of Various Topological Surfaces

Taylor Allen, John Burns, Carlie Hutti, Echo Matthews, Paige Thibodeaux, Caleb Tureau, Walter Wild

Introduction: The focus of this course was on the methods and strategies for distinguishing between surfaces. Different surfaces were introduced in class, then the surfaces were modeled using the computer algebra system, Mathematica. Finally the Mathematica files were converted into STL (triangulation) files to be 3D printed.



Acknowledgement: The work was supported by a grant of the Louisiana Board of Regents, and by LSU Student Tech Fee