

School of Computer Science and Engineering College of Engineering

Displaying Objects in Unity From Mathematical Equations to Visualizing Shapes

Student: Tan Hong Fan Merzen

Supervisor: A/P Alexei Sourin



Project Objectives:

The project's main objective is to enhance ShapeExplorer, an existing interactive

software built within Unity3D and utilized in the context of the CZ2003 coursework, Computer Graphics and Visualization. ShapeExplorer is designed to aid teaching by providing a dynamic platform that illustrates and solidifies key visualization principles, including mathematical definitions for shapes and sampling resolutions. The ultimate goal is to refine ShapeExplorer's polygonization algorithms to eliminate visual artifacts, ensuring a seamless and accurate representation of shapes for a more effective learning experience in the CZ2003 course.



ShapeExplorer User Interface

https://www.ntu.edu.sg/scse

About Help

Stop