

A 3D Model Retrieval System Based On The Cylindrical Projection Descriptor

石昭玲, 李建興, 周智勳, 張翔淵

Computer Science & Information Engineering

Computer Science and Informatics

chlee@chu.edu.tw

Abstract

In recent years, the demand for a content-based 3D model retrieval system becomes an important issue. In this paper, the cylindrical projection descriptor (CPD) will be proposed for 3D model retrieval. To derive better retrieval results, the CPD will be combined with the radial distance descriptor (RDD). The experiments are conducted on the Princeton Shape Benchmark (PSB) database. Experiment results show that our proposed method is superior to others.

Keyword : 3D Model Retrieval , Cylindrical Projection Descriptor