

Efficient Collision Detection Using Bounding Volume Hierarchies of k-DOPs

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Outline

- 1 Introduction
- 2 BV-Tree
- 3 Collision Detection
- 4 Experiment
- 5 Future Work

1 Introduction

2 BV-Tree

3 Collision Detection

4 Experiment

5 Future Work

Introduction

Previous Work

1 Introduction

2 **BV-Tree**

3 Collision Detection

4 Experiment

5 Future Work

BV-Tree

Design Criteria

k-DOPs

Splitting Rule

- 1 Introduction
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Collision Detection Using BV-Trees

Tumbling the BV-Trees

Tree Traversal Algorithm

Depth of the Flying Hierarchy

Overlap and Intersection Test

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Experiment Result

1 Introduction

2 BV-Tree

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Future Work