PRESENTATION OUTLINE:
Parallel Beam Search for Functionality Partial Matching

Yanran Guan
School of Computer Science
Carleton University
Ottawa, Canada K1S 5B6
yanran.guan@carleton.ca

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1 Introduction

- Title and self-introduction
- Problem statement

2 Literature Review

- Functionality analysis in 3D shape modeling
- Beam search and its applications
- Parallel breadth-first search (BFS) algorithms

3 Our Method

- Hybrid shapes as input
- Category functionality model (explain why we need partial matching)
- Beam search for partial matching and its limitation (explain why we need parallelism)
- Parallelization of beam search

4 Results and Applications

- Accuracy of partial matching
- Performance and scalability of the algorithm
- Applications of the algorithm

5 Conclusion

- Summary of our work
- Limitations and future work