Range Data Recognition Introduction

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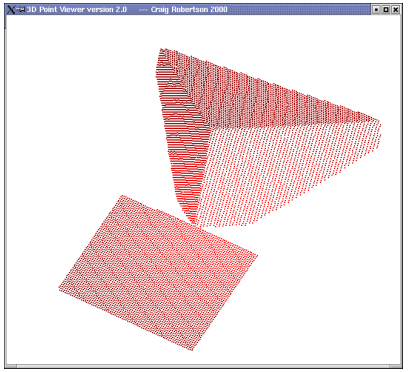
Is there a Wedge in this 3D scene?



Data a set of 3D points!

System Overview

3D part recognition using range data

1. Range data from light stripe triangulation
2. Extraction of planes from range data via region growing
3. 3D geometric modeling
4. Model-data matching
5. 3D pose estimation
6. Verification

Extension of flat rigid part recognition system