

Reconstruction Field Lane from Sketches

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1 Introduction

As reconstructing 3D information from multiple images are actively explored in computer vision and graphics, one came to wonder what we could do to data from pre-photograph era: sketches and drawings. Specifically, Field Lane, a notorious slum in early 1800s London, where Charles Dickens used as part of the settings of Oliver Twist.

2 The Task

You can find various early 1800s sketches about Field lane on the internet. The task is to find correspondences between sketches and reconstruct a reasonable 3D Field Lane using those sketches, where one may explore the virtual street of London in early 1800s. A introductory video can be found here [1].

References

[1] Reconstructing field lane.

<https://www.dropbox.com/s/tmk4oufi433n5eq/ImagingDickensLondon.mp4?dl=0>.