Classifying Restaurant Type of Geographical Regions

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Abstract: Three dimensional images were obtained using a single high numerical aperture hologram recorded in a high resolution photoresist with a table top $\alpha=46.9$ nm laser. Gabor holograms numerically reconstructed over a range of image planes by sweeping the propagation distance allow numerical optical sectioning that results in a robust three dimension image of a test object with a resolution in depth of approximately and a lateral resolution of 164 nm.

Index Terms: Holography, image analysis.

- 1. Problem Description
- 2. Related Work
- 3. Solution
- 4. Experiments
 - 4.1. Data
 - 4.2. Experimental Setup
 - 4.3. Experimental Results
- 5. Conclusion

Contributions of Teamates

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