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.