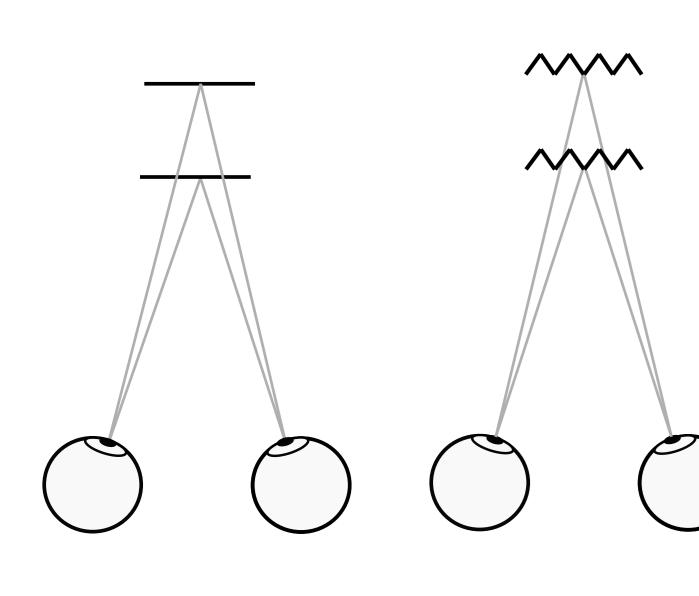


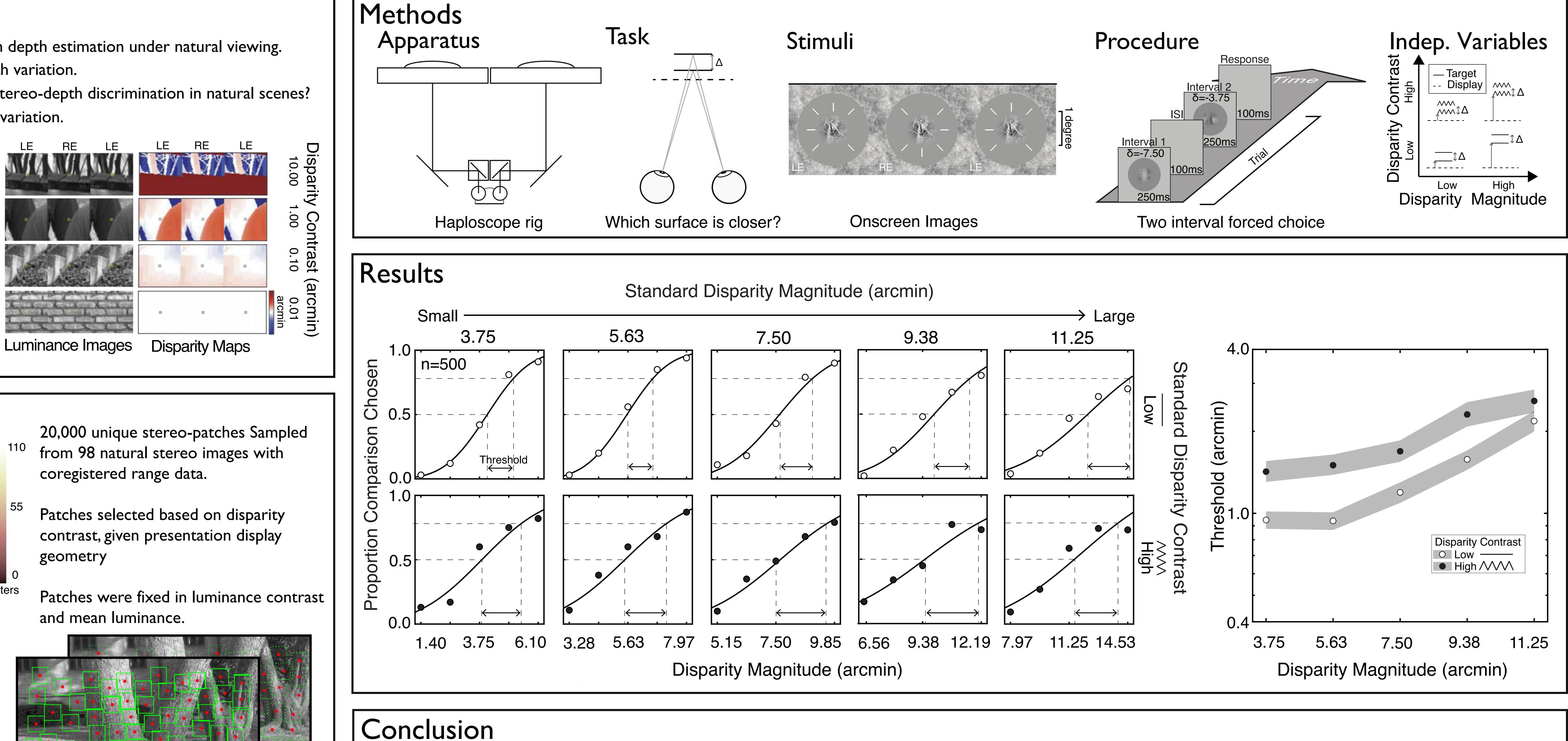
Effects of disparity contrast on binocular disparity discrimination with natural stereo-images

Background

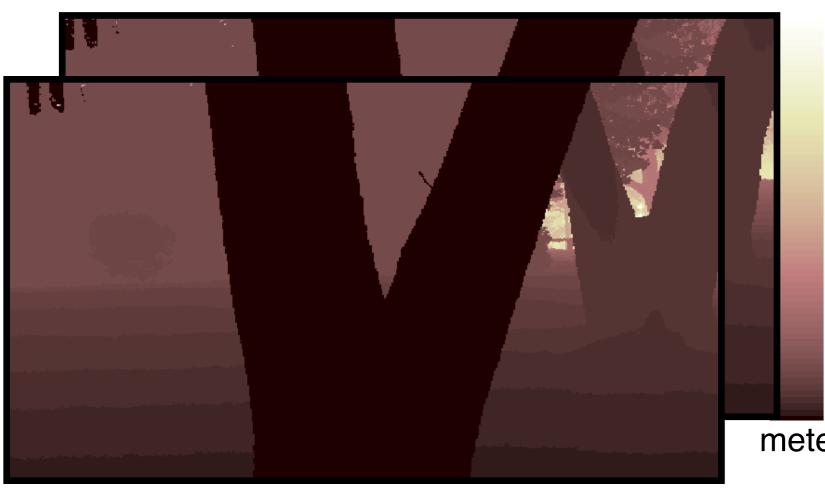
Binocular disparity is an important cue in depth estimation under natural viewing. Natural scenes are marked by local depth variation.

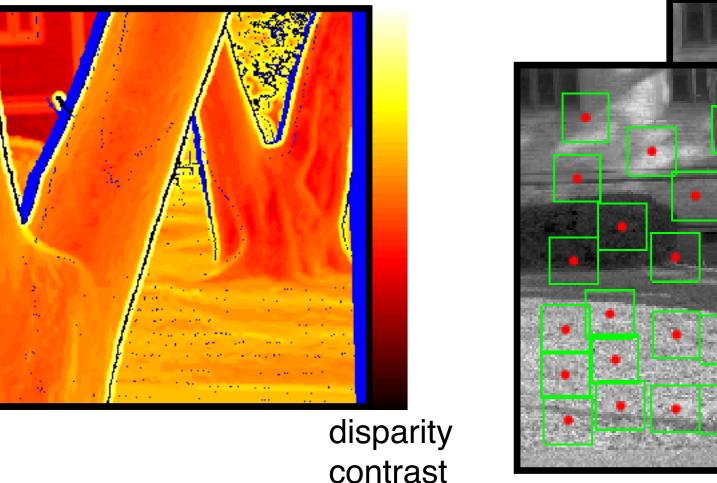
How does local depth variation impact stereo-depth discrimination in natural scenes? Disparity contrast quantifies local depth variation.





Stimulus Generation





Local, naturalistic depth variation negatively impacts stereo-depth discrimination. Thresholds are consistent with previous work which investigated how depth discrimination of flat, natural images is affected by disparity magnitude. We are currently investigating a wider range of disparity contrasts.

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