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Detection of Contrary Chromatic Change

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In visual search experiments, we examined whether targets that are distinguished from distracting items solely by a contrary change in color can be sought spatially in parallel. Targets under time-varying illumination pop out if they present a contrary luminance signal; targets under space-varying illumination can be detected in parallel when isoluminant. Results suggest that neurons with spatially and chromatically-opposed receptive fields are active across the central visual field.