ADAPTIVE LOCAL CONTEXT SUPPRESSION OF MULTIPLE CUES FOR SALIENT VISUAL ATTENTION DETECTION (FriPmPO1)

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Abstract:
Visual attention is obtained through determination of contrasts of low level features or attention cues like intensity, color etc. We propose a new texture attention cue that is shown to be more effective for images where the salient object regions and background have similar visual characteristics. Current visual attention models do not consider local contextual information to highlight attention regions. We also propose a feature combination strategy by suppressing saliency based on context information that is effective in determining the true attention region. For an objective evaluation of our results, we also propose a new measure called the Average Discrimination Ratio.