

Attentional saliency in images

Instructions given to students

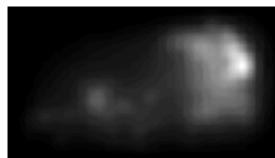
Sample results

The algorithm identifies image regions that stand out based on several basic visual features, including color, intensity and edge orientation.

original image



Itti-Koch saliency map



marked image



saliency map overlaid



most salient (95%ile) parts

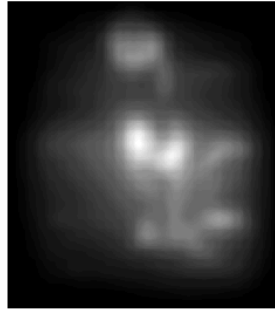


It sometimes appears that the algorithm is picking out complex objects that are similar to what humans ultimately notice ...

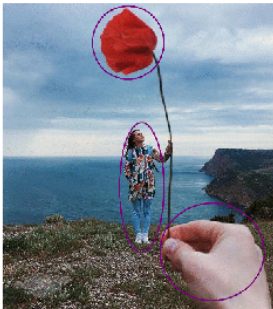
original image



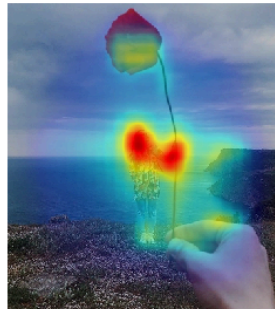
Itti-Koch saliency map



marked image

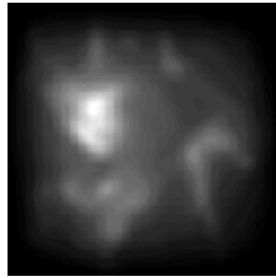
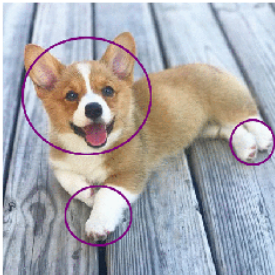
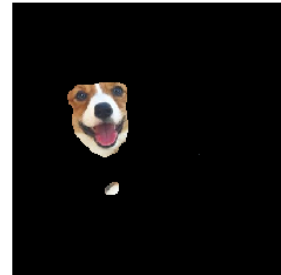


saliency map overlaid



most salient (95%ile) parts



original image**Itti-Koch saliency map****marked image****saliency map overlaid****most salient (95%ile) parts**

... however, the algorithm actually works in “local” fashion based on small, often meaningless visual differences.

original image



Itti-Koch saliency map



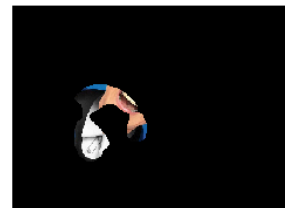
marked image



saliency map overlaid



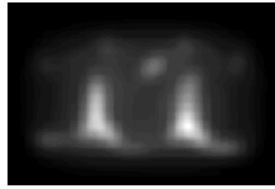
most salient (95%ile) parts



original image



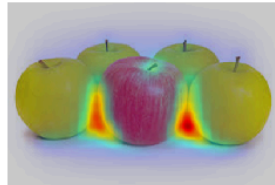
Itti-Koch saliency map



marked image



saliency map overlaid



most salient (95%ile) parts



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