Human-centered Content-Based Image Retrieval

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HSI color space segmentation based on experimental data concerning human 11 color categories

Image segmentation by agglomerative merging

Human color and texture categorization/classification

Shape extraction by pixelwise classification

Parallel-sequential colorful texture analysis
- Optimal utilization of color information by human 11 color categories
- Color histogram and Color correlogram combined
- 94% correct classification
- 91% decrease in computational complexity

Recall & Precision of 4 CBIR systems

CBIR Benchmark

More information?
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