Human-Centered Content-Based Image Retrieval

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

Recall & Precision of 4 CBIR systems

Human color and texture categorization/classification

CBIR Benchmark

More information?
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Image segmentation by agglomerative merging

Human color and texture categorization/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

Shape extraction by pixelwise classification

* Created by Fast Exact Euclidean Distance (FEED) transforms