Artistic Composition for Image Creation

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Abstract.   Altering the viewing parameters of a 3D object results in computer graphics images of varying quality. One aspect of image quality is the *composition* of the image. While the esthetic properties of an image are subjective, some heuristics used by artists to create images can be approximated quantitatively. We present an algorithm based on heuristic compositional rules for finding the format, viewpoint, and layout for an image of a 3D object. Our system computes viewing parameters automatically or allows a user to explicitly manipulate them.