COLORING CRAYON EFFECT ON ANIMATION FILM RENDERING

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Abstract

There are a variety of techniques in drawing illustrating staining in manually, such as staining techniques with watercolor, poster paint, colored pencils, or crayons. As one of the staining technique in the illustration, the effect of coloring using crayons have a different character with other techniques. Characters tend to be unevenly distributed crayons technique (covered) on the surface of the paper, these characters will look more artistic when combined with the use of textured paper, so that the artistic effects will appear in colors that are rugged and uneven, but there are small parts that are not closed because the color influence the texture of paper.

In rendering animation and film, known as the term Non-photorealistic Rendering (NPR), is an animation and film rendering system that is able to alter the effects of a realist, a realist with a variety of non-securities exchanges, such as the effect of color pencil, cartoon effects, or watercolor effects crayon effects. This paper discusses the use of NPR to provide a crayon color effect, as one of the staining technique in the illustration, rendering animated movies. Based on comparative tests with ground truth methods, the level of error that occurred is still quite high. For this type of simple animation, with error rates ranging from 3-4%, however for a more complex film, the level of error figures touched 30%. It concluded that the method performed, judged quite successful in films that are simple, yet increasingly complex animation higher the level of error that occurred.

Keyword : Non Photorealistic Rendering, Crayon Rendering