Abstract

Image Inpainting technique has been widely used for reconstructing damaged old photographs and removing unwanted objects from images. In this paper, we present a novel significant preprocessing step for periphery frontier setting technique which alleviates the process of image inpainting to a great extent. Our method improves the robustness and
effectiveness by rational confidence computing method, matching strategy and filling scheme. Therefore, our method effectively prevents “growing garbage”, which is a common problem in other methods. With our method, we can obtain preferable results to those obtained by other similar methods.

Reference


- Wei YAO, Ji-xiang SUN, Gang ZOU, Shuhua TENG, Gong-jian WEN, “PDE Image Inpainting with Texture Synthesis based on Damaged Region Classification”, 978-1-4244-5848-6/10/$26.00 ©2010 IEEE, p447-450.

Index Terms

Computer Science  Image Processing

Key words

Image Color Analysis  Image Decomposition

Object Detection  Image

Segmentation  Object Segmentation