This paper presents a comparison of H.264/AVC (Advanced Video Coding) based algorithms for compound images that contain text and natural images. Considered the problem of compressing compound images with a novel idea of using a single coder for compressing all the content types, we investigate the algorithm proposed by two models ZQ-CIC and D-CIC models. The coders presented in this study are very effective for compound documents because of its intraframe prediction mode. When using these coders, it is possible to improve significantly the quality of text regions, with little to negligible losses to the pictorial regions.

Reference

Compliance Handbook, edited by M. Barni, Marcel-Dekker.

Index Terms

Computer Science

Computer Vision

Key words

H.264/AVC

D-CIC

ZQ-CIC