

Image Content Retargeting

Maintaining Color, Tone, and Spatial Consistency

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In recent years visual devices have proliferated, from the massive high-resolution, high-contrast screens to the tiny ones on mobile phones, with their limited dynamic range and color gamut. The wide variety of screens on which content may be viewed creates a challenge for developers. Adapting visual content for optimized viewing on all devices is called retargeting. This is the first book to provide a holistic view of the subject, thoroughly reviewing and analyzing the many techniques that have been developed for retargeting along dimensions such as color gamut, dynamic range, and spatial resolution.

KEY FEATURES

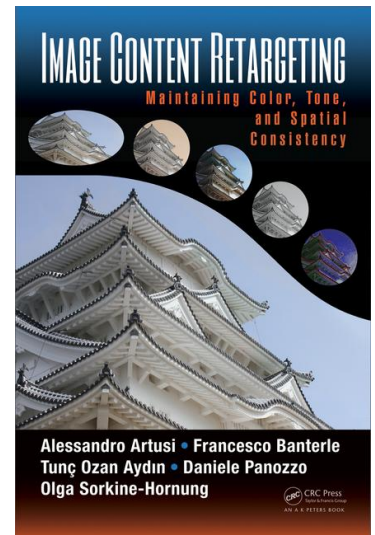
- Covers the latest research outcomes in the field of high dynamic range imaging, including tone and color retargeting, Color2Gray, example-based transferring, and spatial retargeting
- Offers practical tips as well as theoretical background
- Describes experimentation in the various retargeting fields
- Brings together the previously separate research performed on this subject in the fields of computer graphics, image processing, and computer vision

SELECTED CONTENTS

Introduction. Tone and Color Retargeting. Color2Gray. Example Based Transferring. Spatial Retargeting. Quality Assessment.

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