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Content-Aware Image Resizing: An Improved and Shadow-Preserving Seam Carving Method

Mahdi Hashemzadeh, Bahareh Asheghi, Nacer Farajzadeh

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Highlights

- Taking into account the shadows in the content-aware image resizing process.
- Introducing a shadow detection algorithm which is appropriate with our target.
- Employing a cluster-based saliency map that is able to maintain the integrity of the objects and the content inside the image during the image resizing process.
- Applying a low-pass filter to prevent the aliasing phenomenon in the image resizing process.

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