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Computer Vision

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Journal Club

Journal Club

- 1. Paper: ["The Laplacian Pyramid as a Compact Image Code"](#)
 - Representing images in a multi-level hierarchy using band-pass filtered difference images, capturing fine-to-coarse details at each level
 - Enables efficient image storage, compression, and blending through a concise, scalable representation of image content
- 2. Paper: ["The Design and Use of Steerable Filters"](#)
 - Introduces filters that can be "steered" to respond to specific orientations and scales, allowing for adaptable feature extraction in image analysis
 - Facilitates tasks like edge detection, orientation estimation, and texture analysis by enabling flexible filtering at varying angles and directions
- Presentations will take place on 16.05.2024