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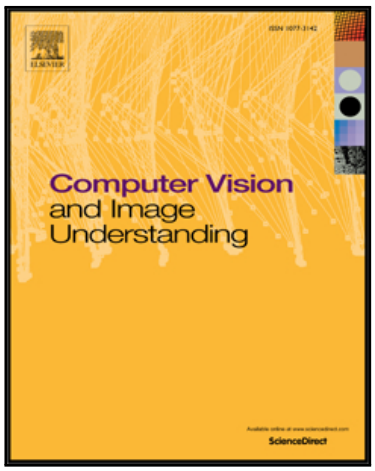

Leveraging Observation Uncertainty for Robust Visual Tracking

Junseok Kwon, Radu Timofte, Luc Van Gool

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Highlights

- Our main contribution is to enhance trackers by leveraging observation uncertainty in terms of mutual information.
- As another contribution, we theoretically underpin that the observation uncertainty problem can be resolved by three image processing techniques: background subtraction, saliency detection, and extracting illumination-invariant (intrinsic) intensities.
- Our approach can be plugged into any kind of visual trackers.

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