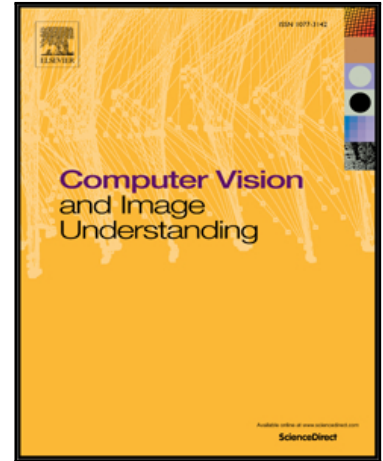


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Guided Optimisation through Classification and Regression for Hand Pose Estimation

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Highlights

- Proposes hand pose estimation using a combination of model optimisation and discriminative methods which allows tracking to be performed at over 40 frames per second using a single CPU thread.
- Introduces a residual error regression for hand pose estimation, learning from mistakes in model optimisation.
- A method of training, which captures system response and user variance, allowing supervised feedback for joint refinement.
- Extensive quantitative and qualitative evaluation including additional datasets and comparison against multiple state of the art approaches.

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