

A Naturalistic Open Source Movie for Optical Flow Evaluation

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- ▶ Introduction of MPI-Sintel, a new data set based on an open source animated film
- ▶ Contributions:
 - ▶ This data set has important features not present in the Middlebury flow evaluation: long sequences, large motions, specular reflections, motion blur, defocus blur, atmospheric effects.
 - ▶ Analysis of the statistical properties of the data suggesting it is sufficiently representative of natural movies to be useful
 - ▶ Introduction of new evaluation measures
 - ▶ Comparison of public-domain flow algorithms
 - ▶ Evaluation website that maintains the current ranking and analysis of methods