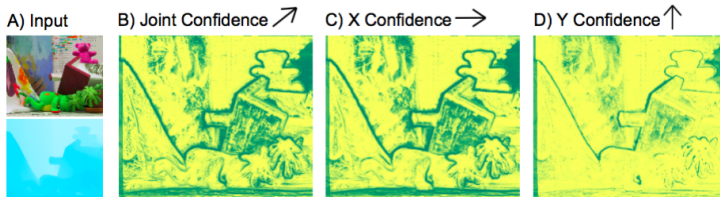


Learning a Confidence Measure for Optical Flow

Oi. M. Aodha, A. Humayun, M. Pollefeys, G. J. Brostow (PAMI 2013)



- ▶ Presents a supervised learning based method to estimate a per-pixel confidence for optical flow vectors
- ▶ Contributions:
 - ▶ Evaluates the proposed optical flow confidence measure on new flow algorithms & several new sequences
 - ▶ Compares to other confidence measures
 - ▶ Proposes separate confidence in X and Y directions
 - ▶ improves accuracy for optical flow by automatically combining known constituent algorithms
- ▶ Evaluates on Middlebury sequences and synthetic sequences introduced in the paper