

Supplemental material for the paper “Optical Flow Estimation using Fourier Mellin Transform”

For readers’ information, we include two frames of five different image sequences, their ground-truth optical flows, the estimated optical flows from four different techniques as well as the cumulative histograms of flow errors described in the paper. All the images and plots are in *PNG* (Portable Network Graphics) format for cross-platform viewing.

The first sequence is the synthetic **Street** sequence. Frame 14 and 15 of this sequence are saved in folder */Street* as *street_14.png* and *street_15.png*. The ground-truth optical flow is shown in the file *street_groundtruth.png*. The estimated optical flows of the methods of FMT , Bruhn, Lucas/Kanade and Proesmans et al. are in the files *street_FMT.png*, *street_Bruhn.png*, *street_Lucas.png* and *street_Proesmans.png*, respectively. The two files *street_angular.png* and *street_magnitude.png* shows the cumulative histograms of the angular errors and magnitude of difference errors, respectively.

Four real image sequences including the two sequences used in our paper are also included. They are the **Dimetrodon**, **Hydrangea**, **RubberWhale**, **Venus** sequences from the Middlebury optical flow web site (<http://vision.middlebury.edu/flow/data/>). Two frames, 10 and 11, of each sequence are saved in the files *sequencename_10.png* and *sequencename_11.png*, respectively. The file names for the ground truth flows, estimated flows, cumulative histograms are in the same format as in the case of the **Street** sequence.