Optical Flow

As discussed within the exercises and the lecture optical flow is often used to estimate a deformation field in the 2-D image plane. This exercise needs you to understand the OpenCV API, understand the parameters of the optical flow and requires you to develop a simple application in C++.

The following steps are necessary and discussed in the next session:

1. Use OpenCV's implementation of the optical flow *calcOpticalFlowFarneback* to calculate a deformation field for a given set of images (Uploaded on the homepage).

2. Visualize the optical flow by converting the calculated deformations to color values, and discuss the influence of the different parameters.

Computer Vision Exercises   Summer Term 2014
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