Research

# Least Squares Regression

**Source:** <https://youtu.be/osh80YCg_GM>

Watched some MIT lectures on projections and least squares regression so that I could understand the Lucas-Kanade algorithm a little better.

Here is the projection matrix that flattens a vector into its closest approximation in the column space of .

# Optical Flow

**Source :** <https://docs.opencv.org/master/d4/dee/tutorial_optical_flow.html>

Optical flow attempts to calculate the movement of parts of an image at the pixel level.

## Lucas-Kanade Method

This is one method of approximating optical flow.