

# Semester project Observations

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## 1 Data term

### 1.1 Normalization

Figure (1) shows the Horn and Schunck method with no normalization. It is seen to pick up a lot of noise in the areas in the upper right of the image. Figure (2) show the normalized Horn and Schunck mehtod.

Horn and Schunck

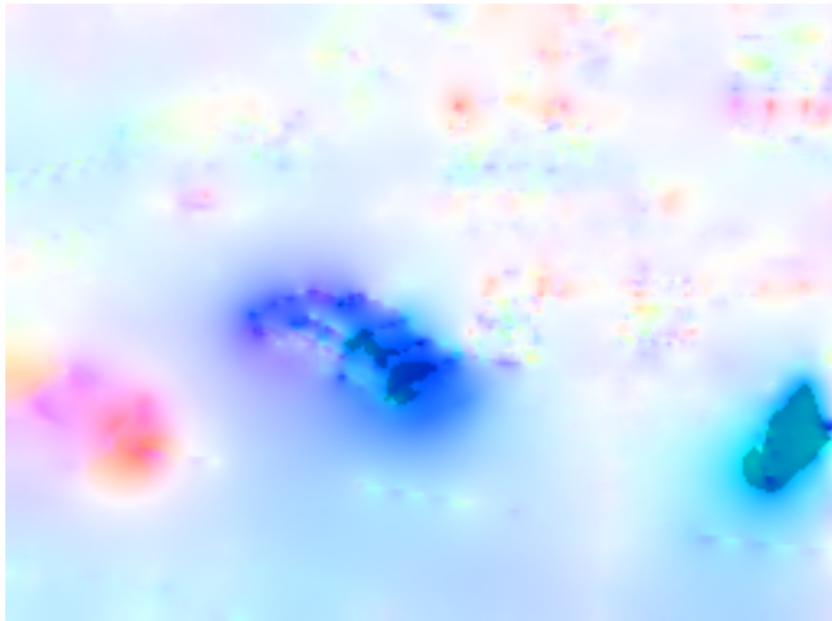


Figure 1: Result for the Horn and Schunck method,  $\text{regu}=0.03$

Horn and Schunck, normalized

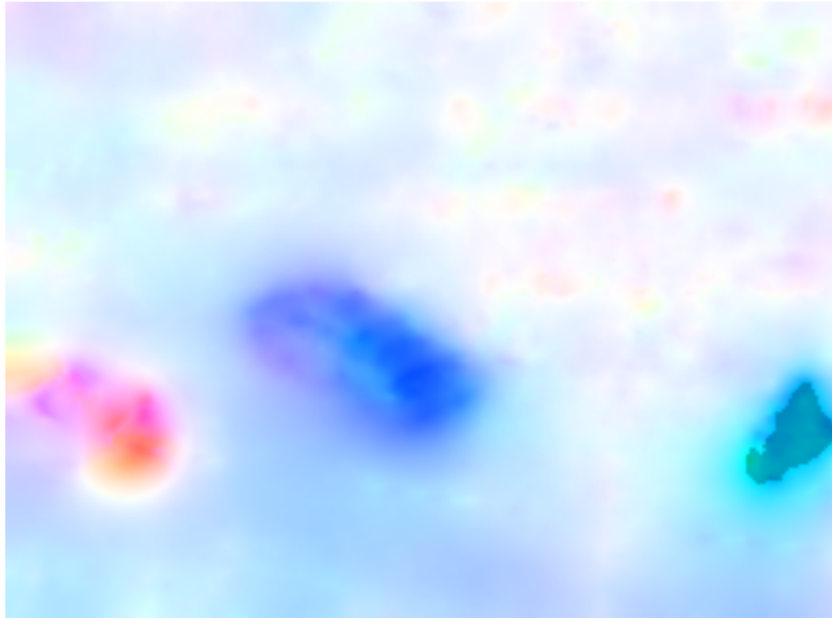


Figure 2: Result for the normalized quadratic penalized data term (normalized HS),  $\sigma = 0.3$ ,  $\zeta = 6$

Image/Flow Driven, normalized

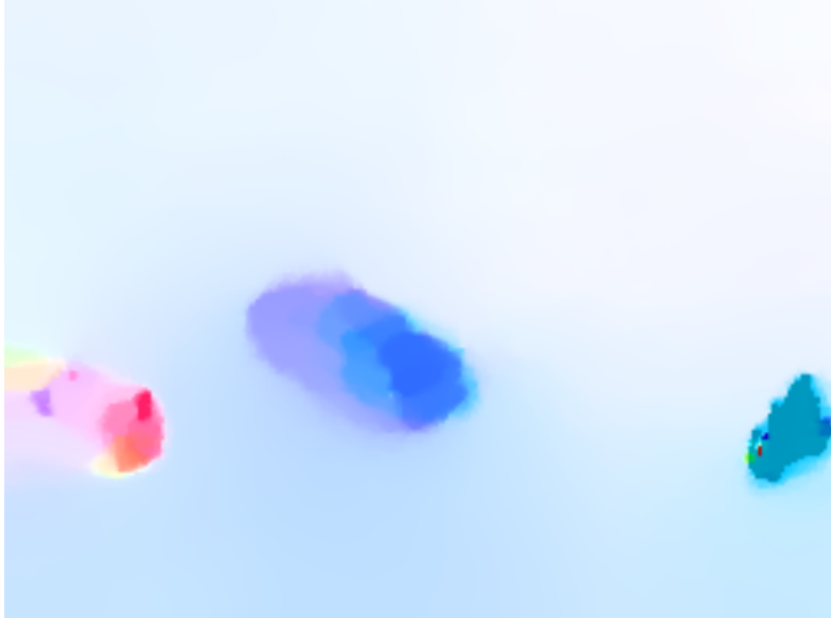


Figure 3: Result for the normalized quadratic penalized data term with Image/Flow driven smoothness term,  $\sigma = 0.3$ ,  $\zeta = 6$

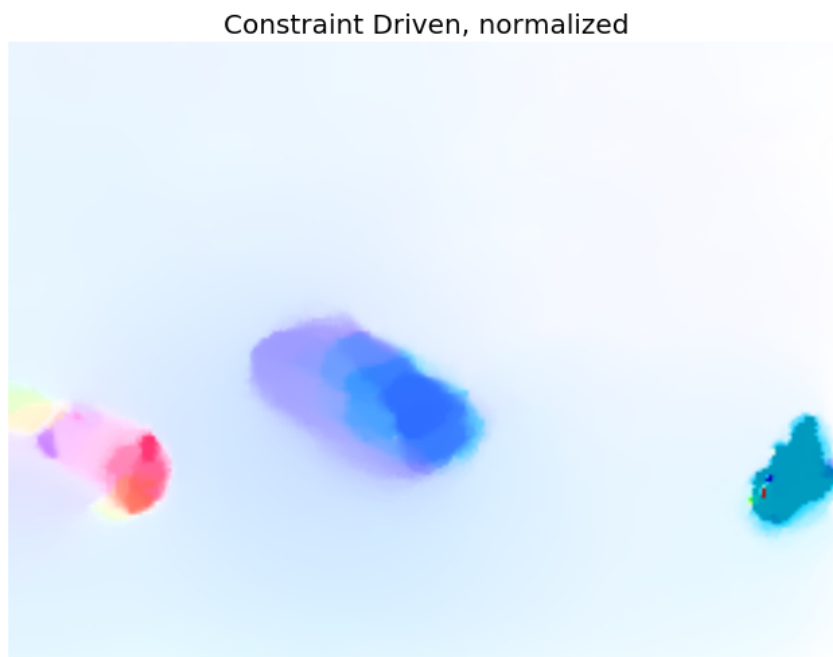


Figure 4: Result for the normalized quadratic penalized data term with Constraint driven smoothness term,  $\sigma = 0.3$ ,  $\zeta = 6$