

Object: Compute Image Derivatives

Interface:

Input: Two Color Images

Output: Horizontal, Vertical and Temporal Image Derivatives

Flow:

Step1: Two Smoothed Bmp Image

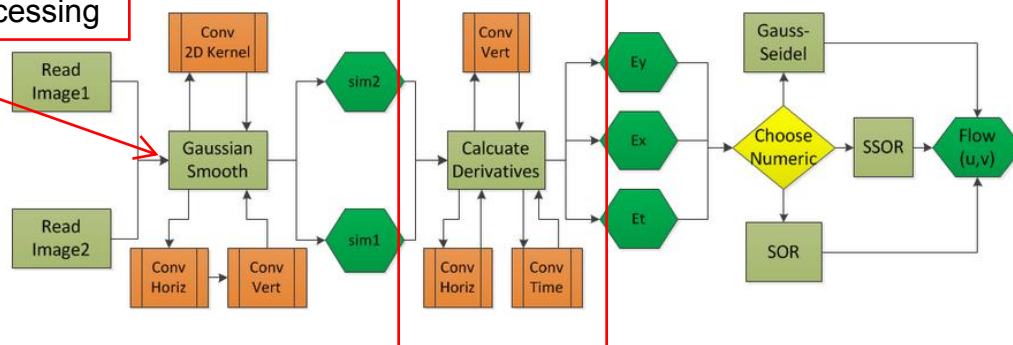
Step 2: Compute the Temporal Derivatives

Step 3: Average the Two Smoothed Bmp Image

Step 4: Compute the Horizontal and Temporal Derivatives

Classical Horn and Schunck Flow:

Add HSV Processing



Reference:

1 Real Time Performance of Variational Optical Flow (P12)

2 deriv.c and filter.c