

```

vidReader = VideoReader('output.mp4','CurrentTime',1);
opticFlow = opticalFlowHS;

h = figure;
movegui(h);
hViewPanel = uipanel(h,'Position',[0 0 1 1],'Title','Plot of Optical Flow
Vectors');
hPlot = axes(hViewPanel);

while hasFrame(vidReader)
    frameRGB = readFrame(vidReader);
    frameGray = im2gray(frameRGB);
    flow = estimateFlow(opticFlow,frameGray);
    imshow(frameRGB)

    hold on
    plot(flow,'DecimationFactor',[5 5],'ScaleFactor',60,'Parent',hPlot);
    hold off
    pause(10^-3)
end

```

Plot of Optical Flow Vectors



