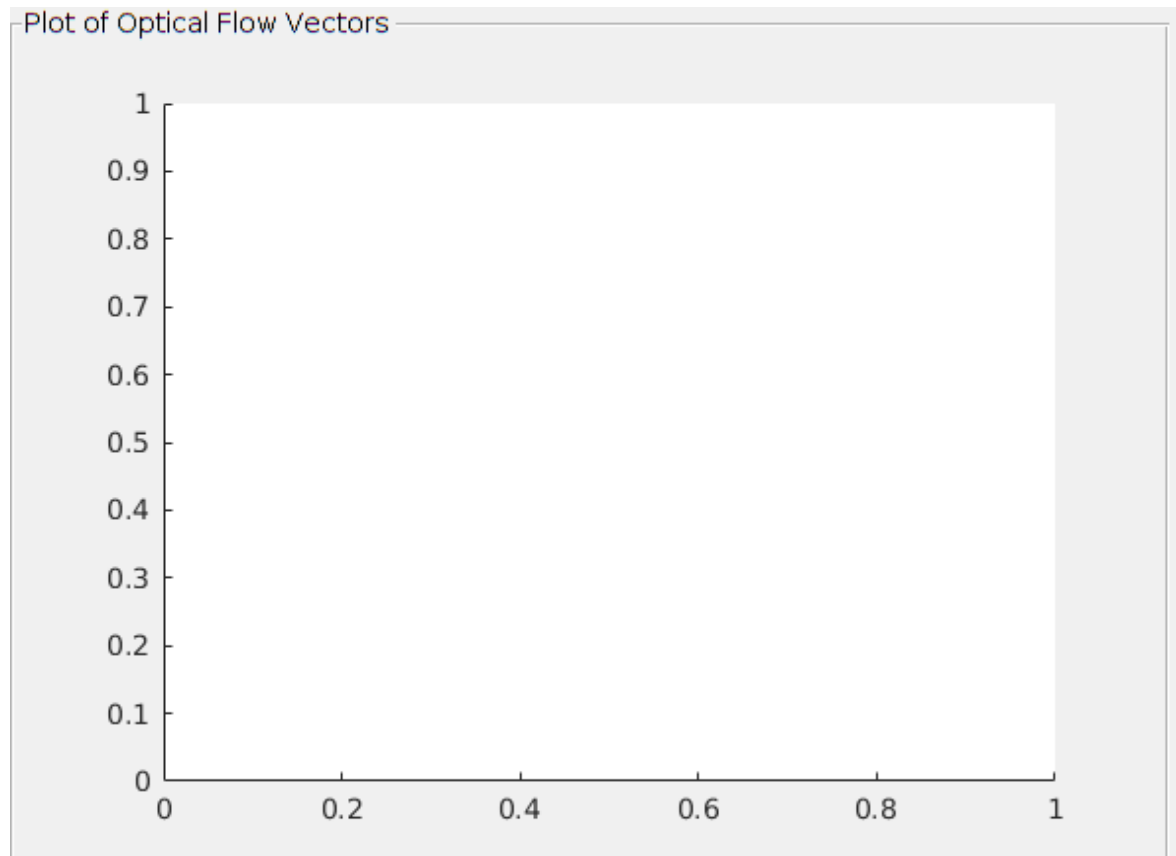


```
%% TO see the output of the code you need to click on Run and then the whole output is  
vidReader = VideoReader('video.mp4');
```

```
opticFlow = opticalFlowLK('NoiseThreshold',0.009, 'NumFrames',31);
```

```
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',10,'Parent',hPlot);  
    hold off  
    pause(10^-3)  
end
```

Plot of Optical Flow Vectors

