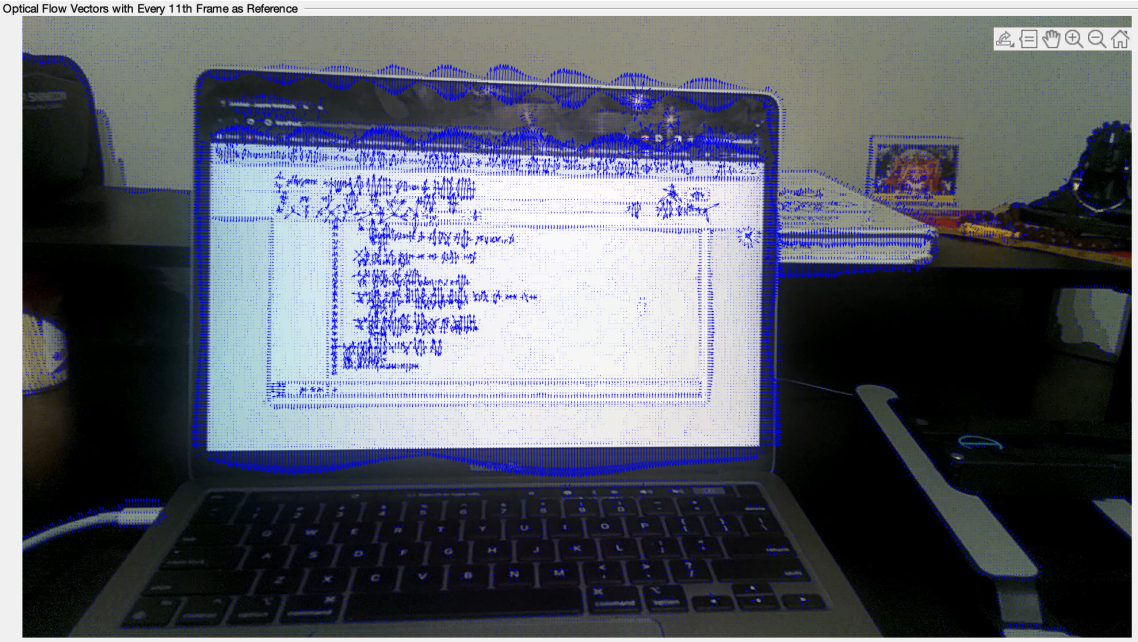
```
vidReader = VideoReader('output.mp4', 'CurrentTime', 1);
opticFlow = opticalFlowHS;

h = figure;
movegui(h);
hViewPanel = uipanel(h, 'Position', [0 0 1 1], 'Title', 'Plot of Optical
Flow Vectors with Every 11th Frame as Reference');
hPlot = axes(hViewPanel);

frameCount = 0; % Initialize frame counter

while hasFrame(vidReader)
    frameRGB = readFrame(vidReader);
    frameGray = im2gray(frameRGB);
    frameCount = frameCount + 1;

    % Reset optical flow estimation every 31th frame
    if mod(frameCount, 31) == 0
        opticFlow = opticalFlowHS; % Re-initialize the optical flow object
    else
        flow = estimateFlow(opticFlow, frameGray);
    end

    imshow(frameRGB);

    hold on;
    plot(flow, 'DecimationFactor', [5 5], 'ScaleFactor', 60, 'Parent',
hPlot);
    hold off;
    pause(10^-1);
end
```

Plot of Optical Flow Vectors with Every 11th Frame as Reference



Plot of Optical Flow Vectors with Every 11th Frame as Reference