Computer Vision Final Project Report

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DataSets : “Baseline/highway” and “Baseline/pets”

**Subtractor parameters :**

history=80

varThreshold=40

detectShadows=True

**Frame Difference Parameters :**

Threshold : threshold(difference, 25, 255, cv2.THRESH\_BINARY)

**GaussianBlur Parameters :**

(gray\_frame, (5, 5), 0)

**Accuracy :**

In Frame differencing for highway

Accuracy: 0.4558492154268515

Frame differencing for pets

Accuracy: 0.5994759052212965

**Samples :**

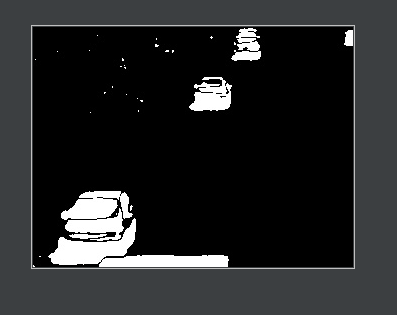
***Highways***:

Input:

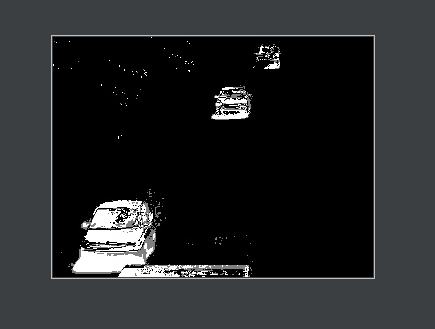
A car driving on a highway

Description automatically generated

Frame Diff:



Median Filter:



***Pets:***

Input:

A picture containing floor, indoor

Description automatically generated

Result:

