



Politecnico di Milano  
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

# BACKGROUND SUBTRACTION

Results report:

Webcam: R14 - km. 2,0 - BO Casalecchio itinere Ovest

Threshold = 40

Ratio = 0.7

Andrea Mazzeo - 895579  
Daniele Moltisanti - 898977

## BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 76.53%

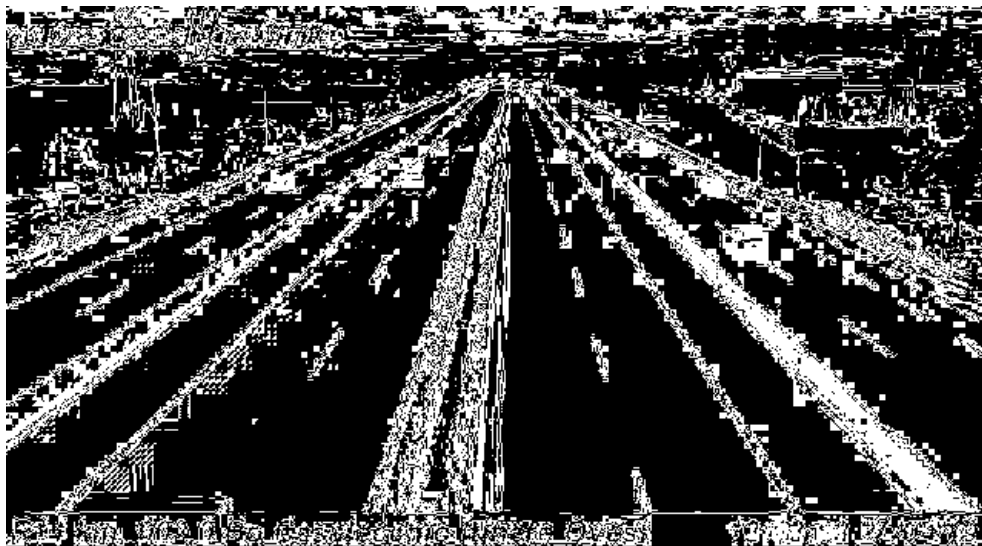
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 75.98%

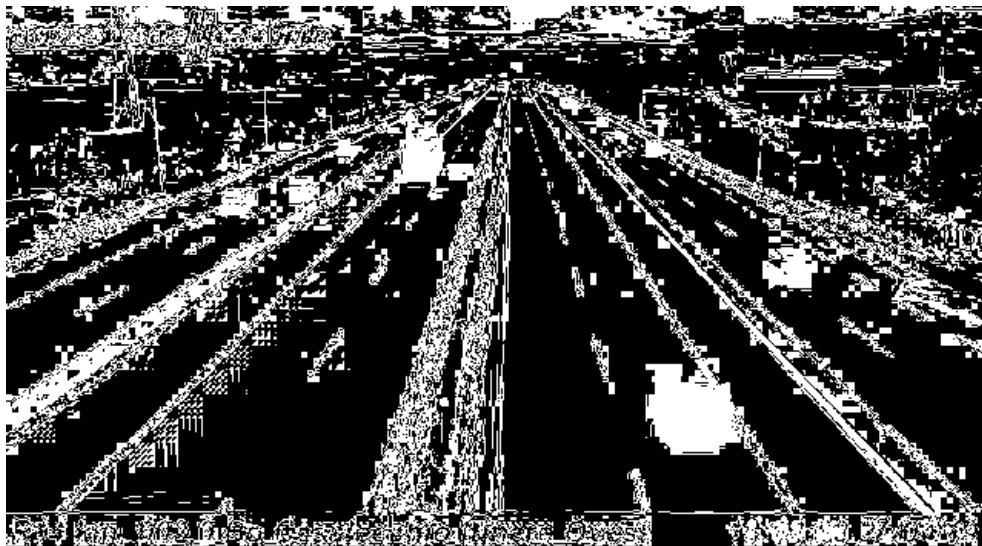
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 77.19%

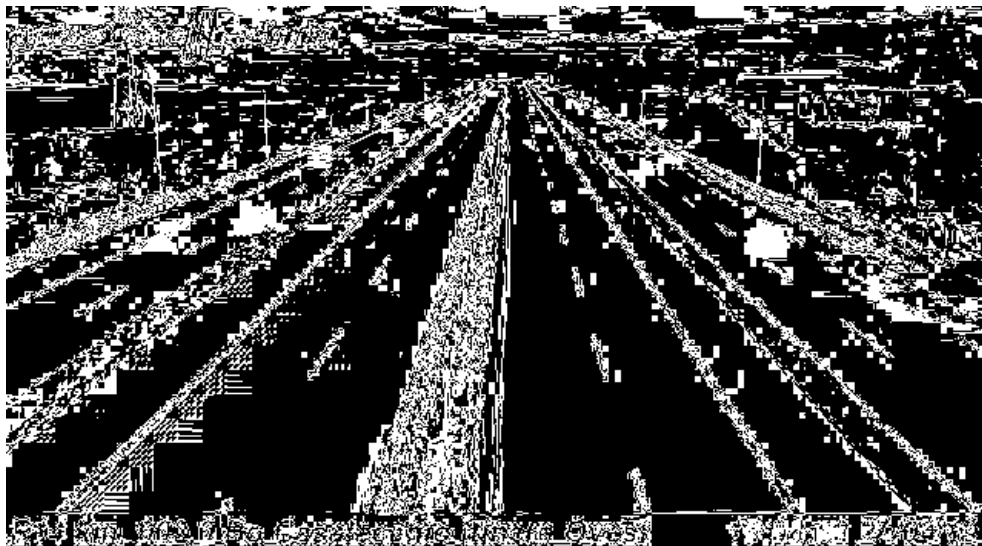
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 75.71%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 74.67%

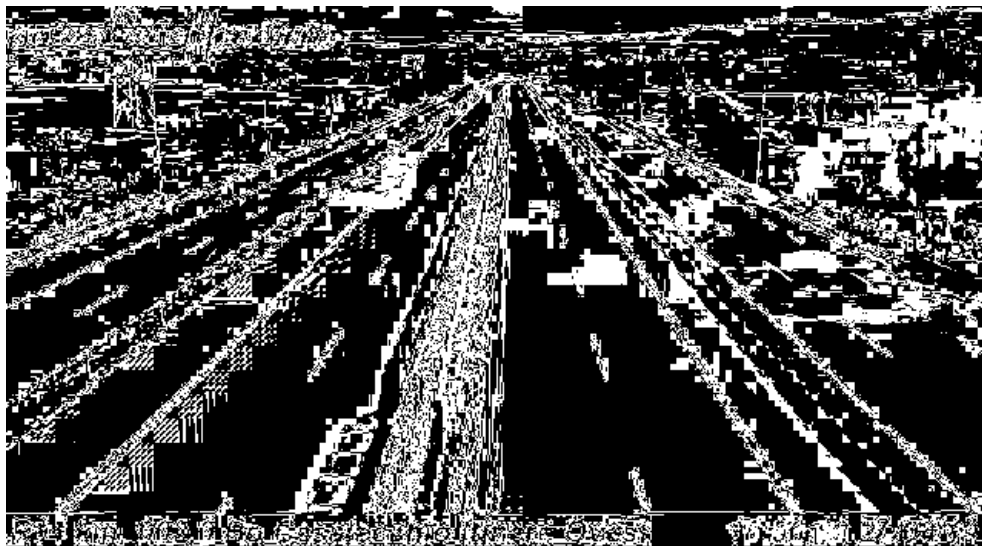
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 63.88%

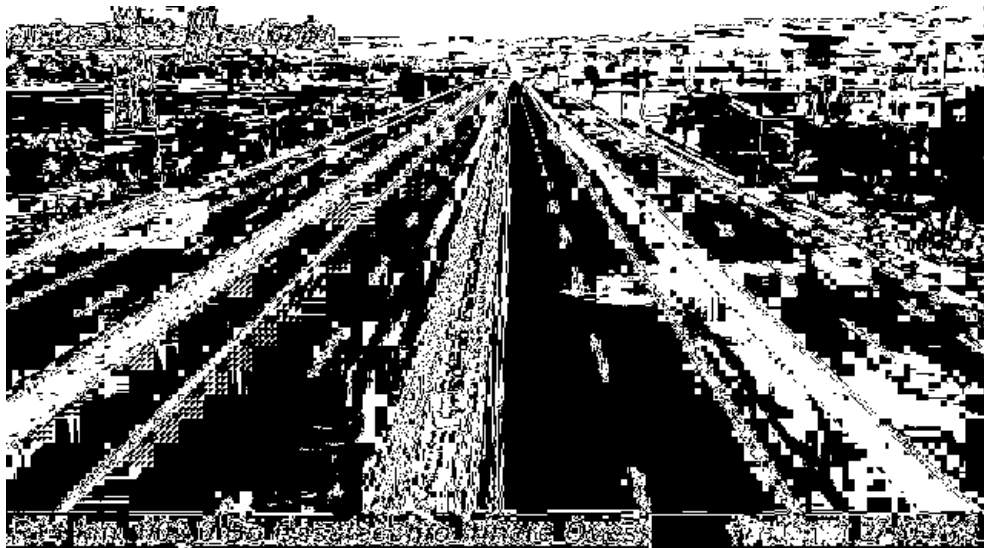
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 73.17%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 6.75%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 50.59%

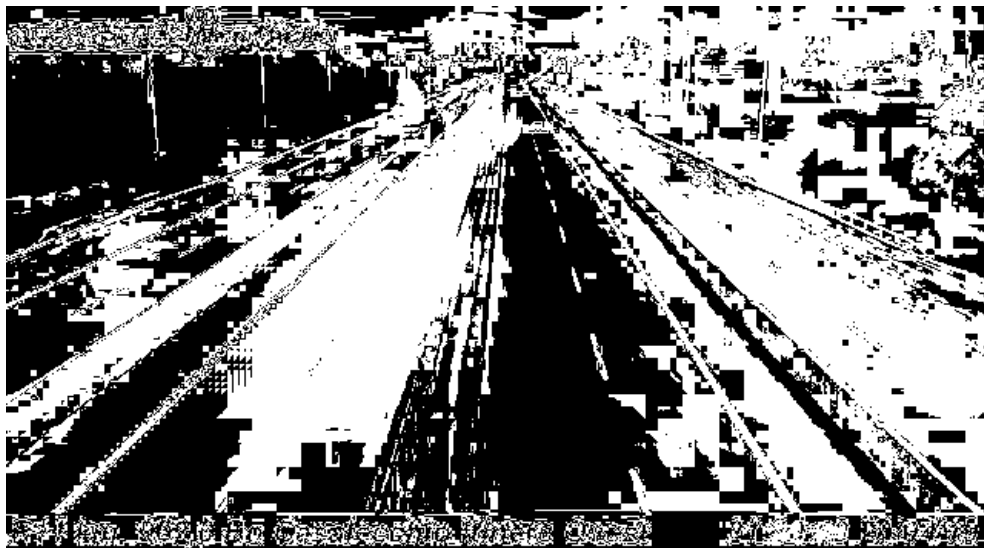
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 67.12%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 68.99%

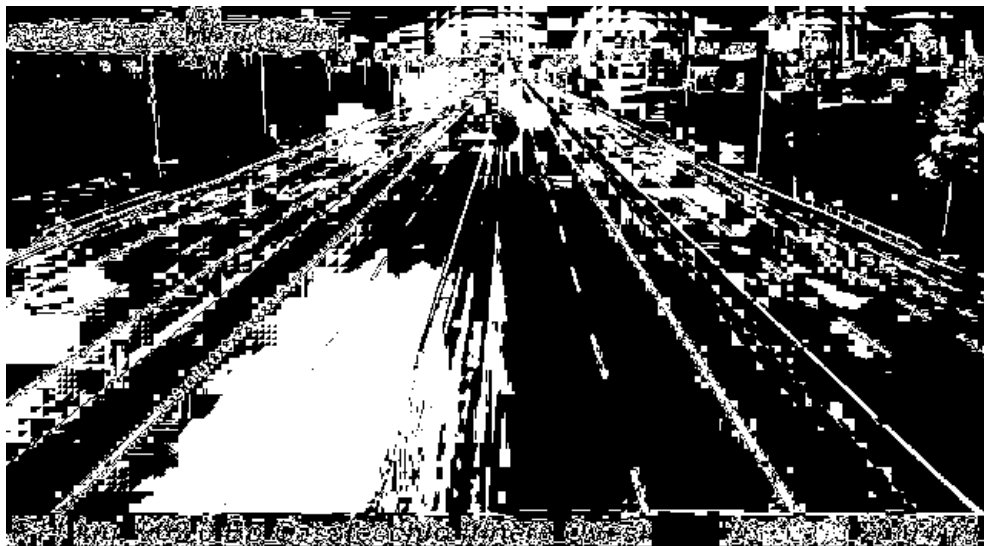
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 76.44%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 86.31%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 87.37%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 87.53%

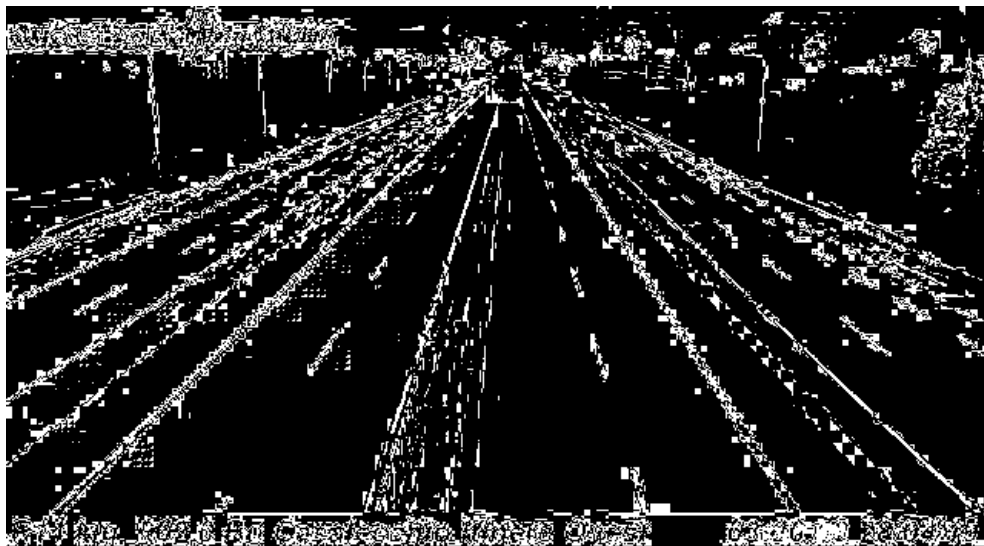
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 86.85%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 45.43%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 79.3%

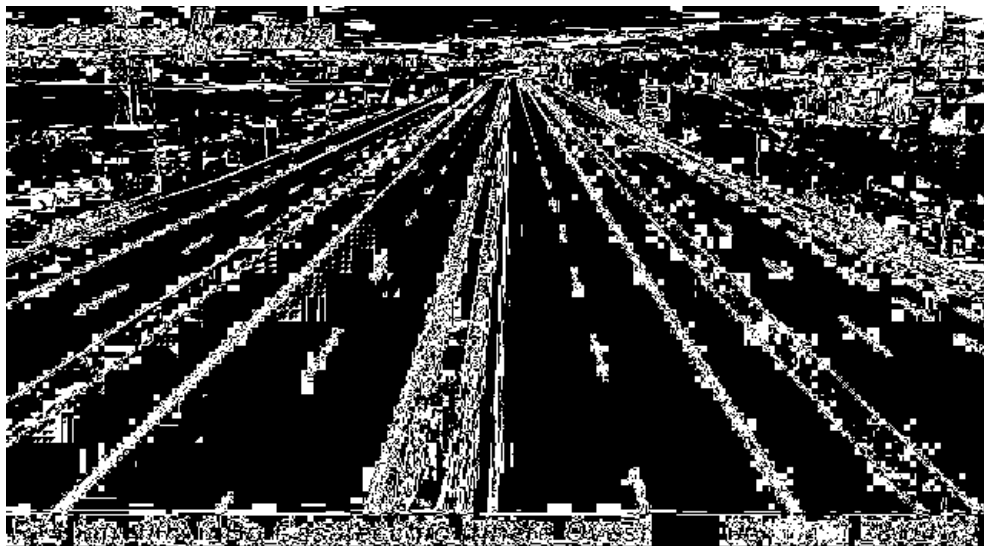
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 65.01%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 79.83%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 76.89%

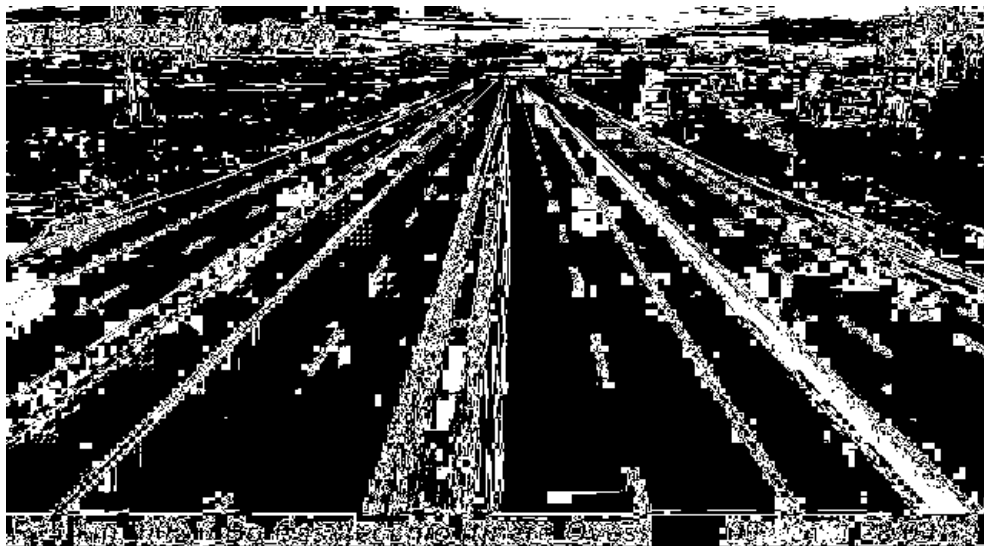
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 76.54%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 74.7%

Original frame:



Background detected:



Error plotted with threshold of 10:

