



Politecnico di Milano  
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

# BACKGROUND SUBTRACTION

Results report:

Webcam: A04 - km. 149,5 A4/A58 dir 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 79.74%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 68.63%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 81.67%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 75.28%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 73.2%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 69.34%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 50.64%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 81.96%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 17.0%

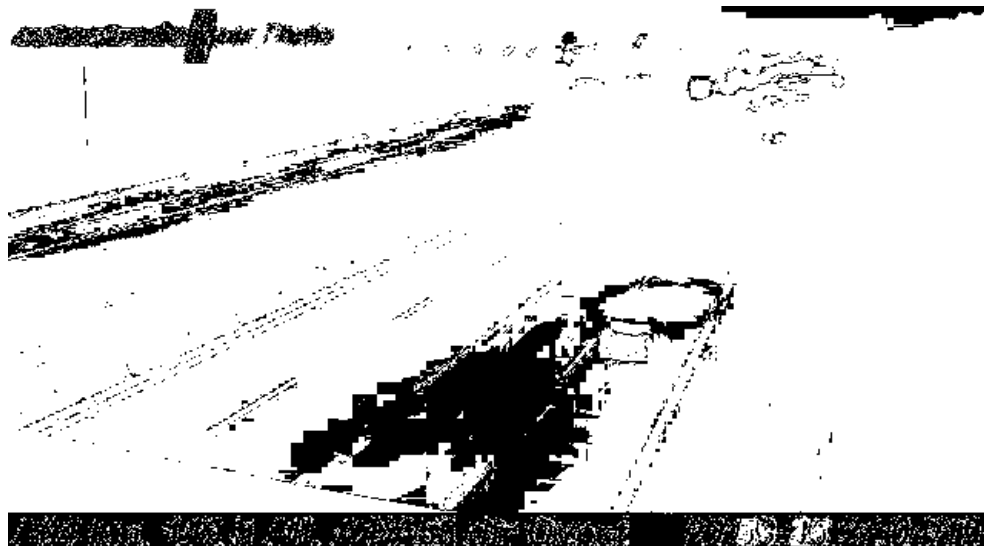
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 68.25%

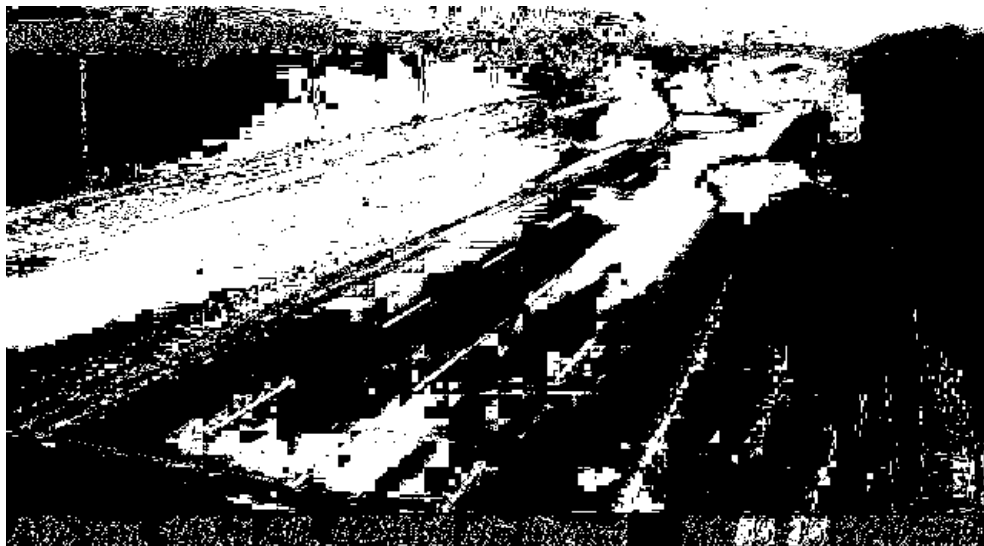
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 87.3%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 65.01%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 69.5%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 87.55%

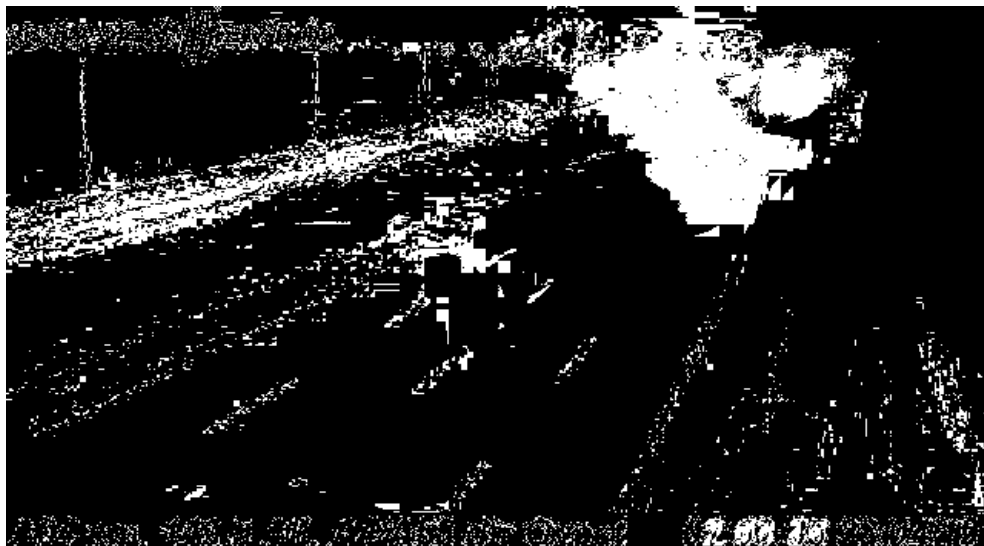
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 81.03%

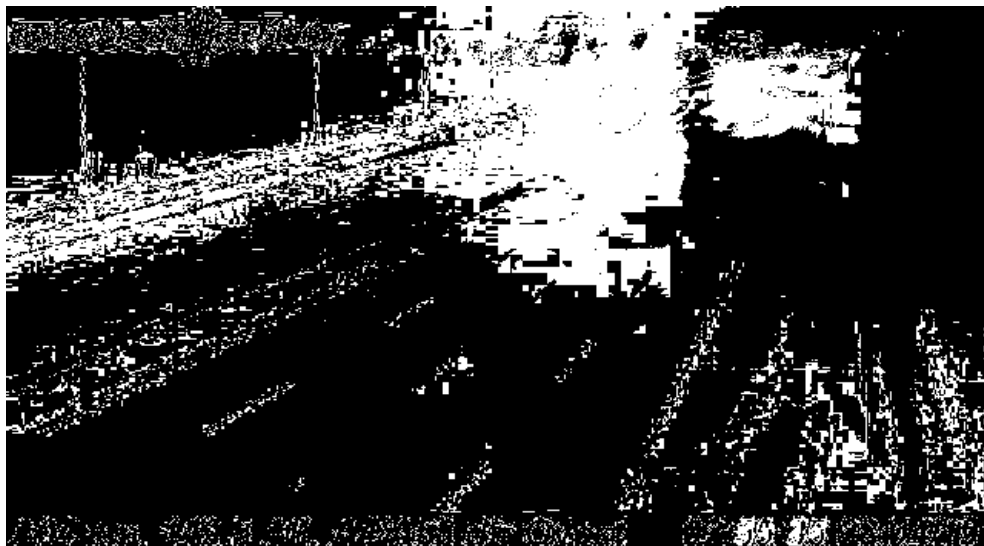
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 58.09%

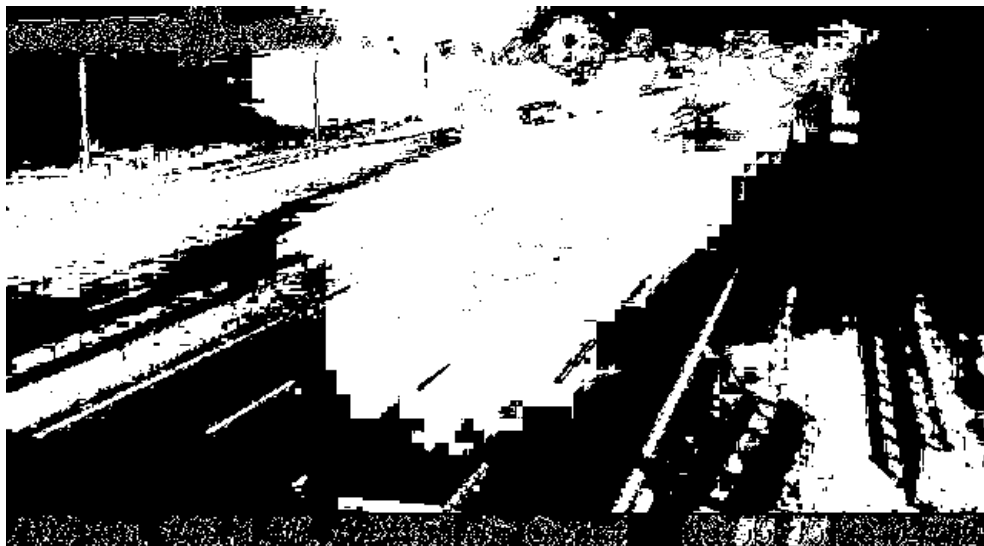
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 76.73%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 25.29%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 43.29%

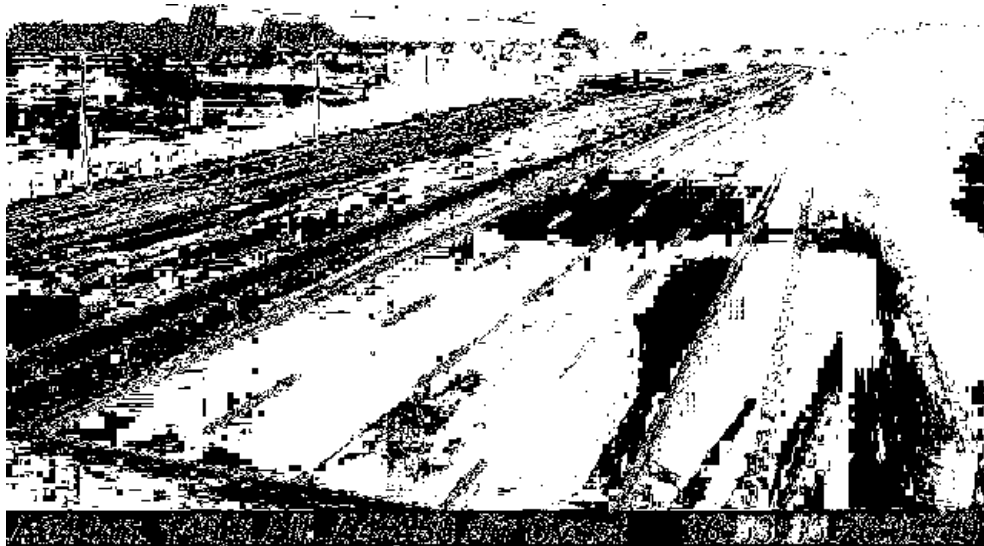
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 38.9%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 62.25%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 86.76%

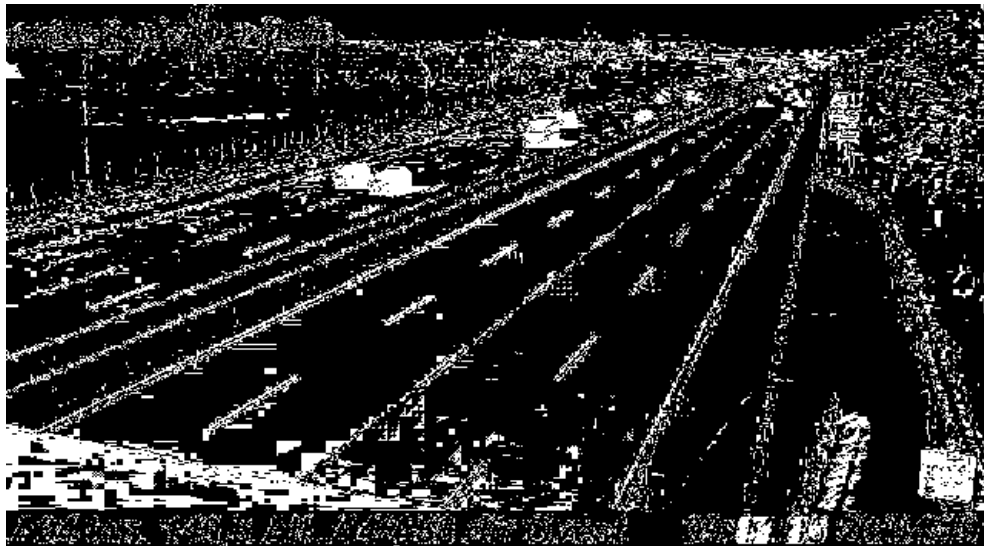
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 84.34%

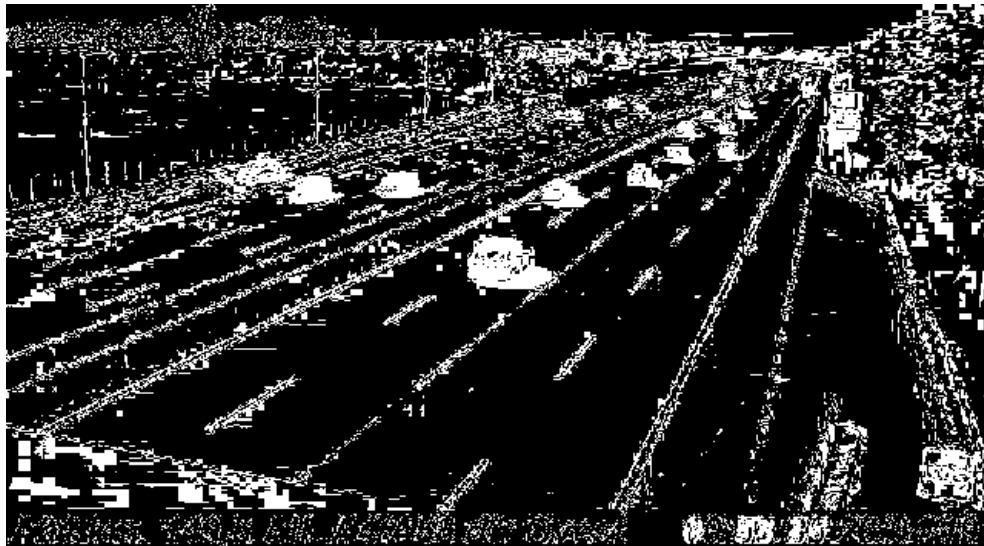
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 86.93%

Original frame:



Background detected:



Error plotted with threshold of 10:

