



Politecnico di Milano  
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

# BACKGROUND SUBTRACTION

Results report:

Webcam: A01 - km. 139,0 Reggio Emilia itinere Nord

Threshold = 40

Ratio = 1

Andrea Mazzeo - 895579  
Daniele Moltisanti - 898977

## BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 85.37%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 14.86%

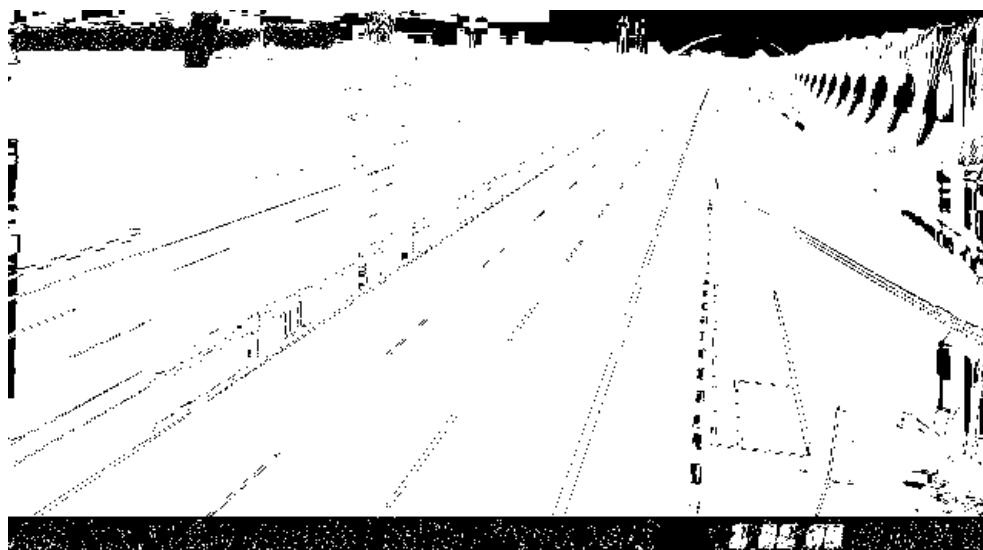
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 78.5%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 77.5%

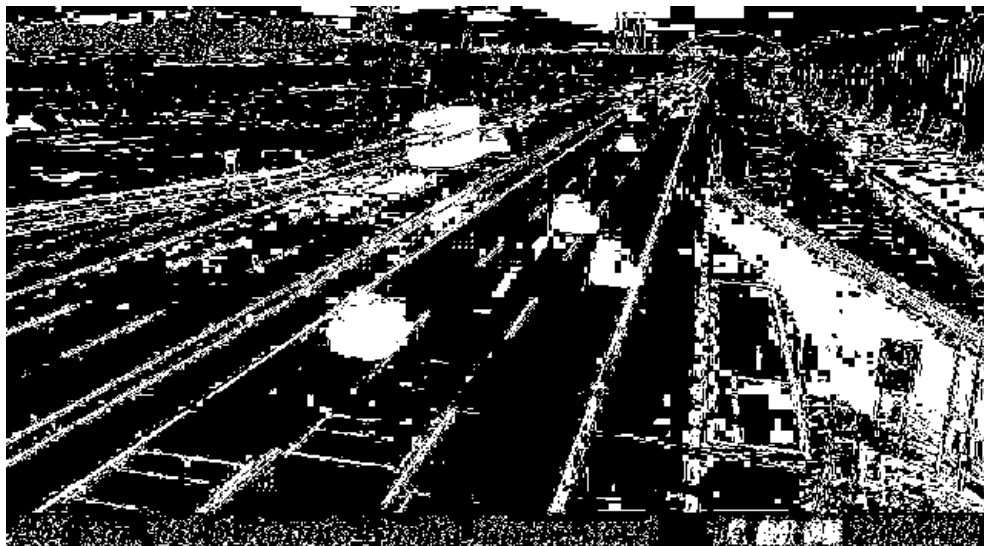
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 77.99%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 85.71%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 83.32%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 53.8%

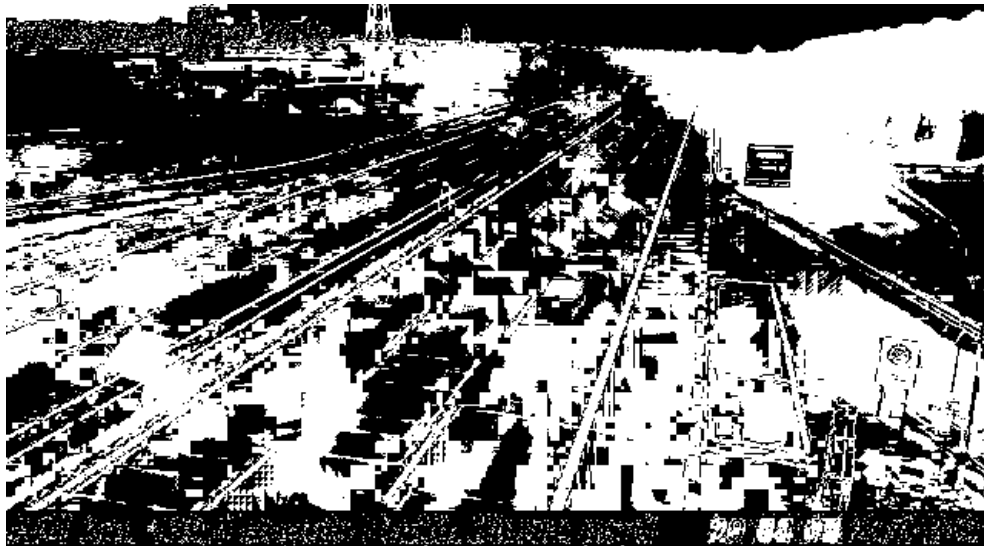
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 15.27%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 62.89%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 67.55%

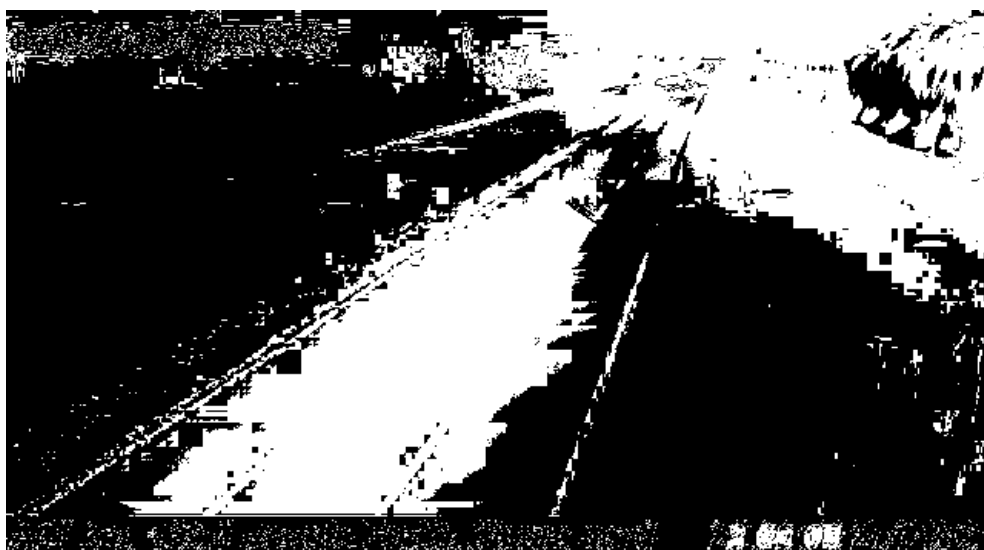
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 81.3%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 89.19%

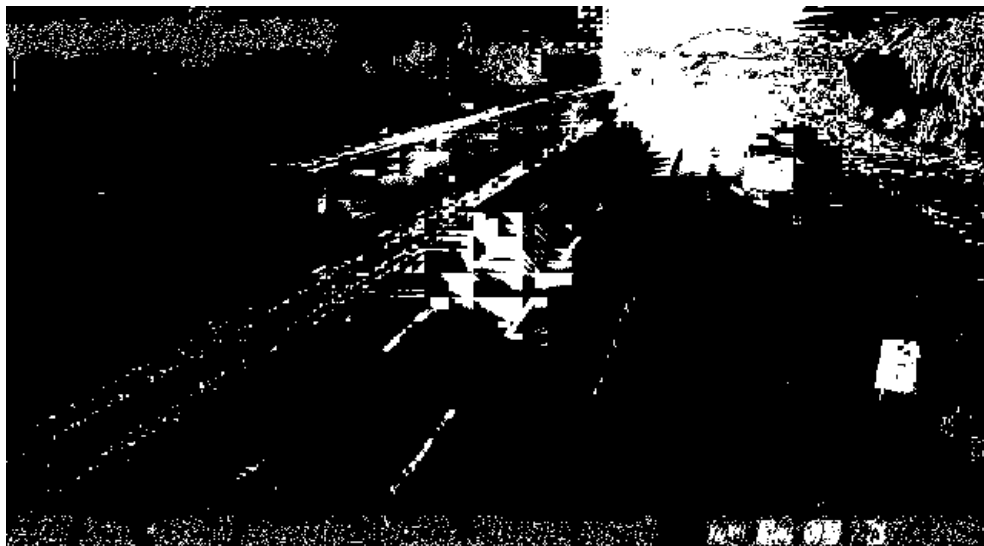
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 80.08%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 92.7%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 79.88%

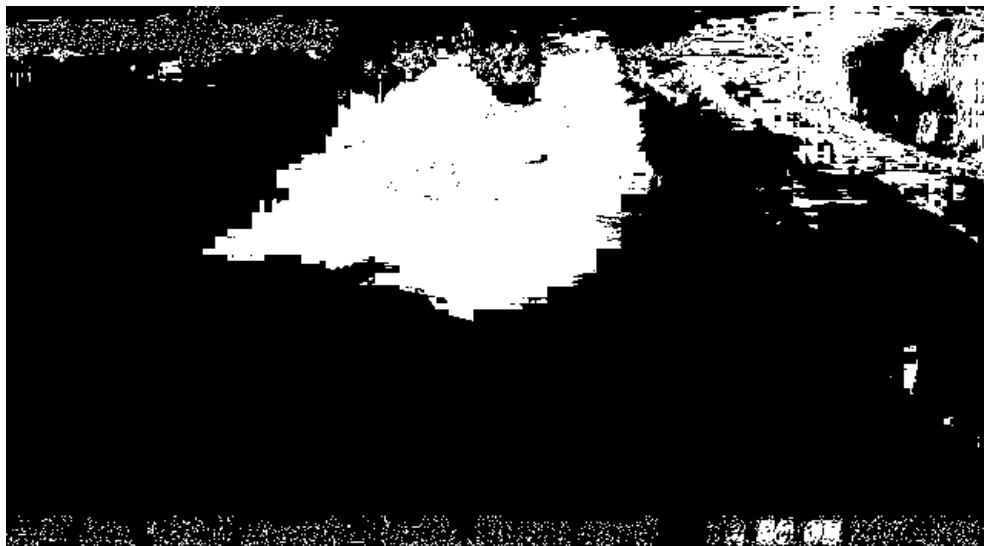
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 72.74%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 15.82%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 65.27%

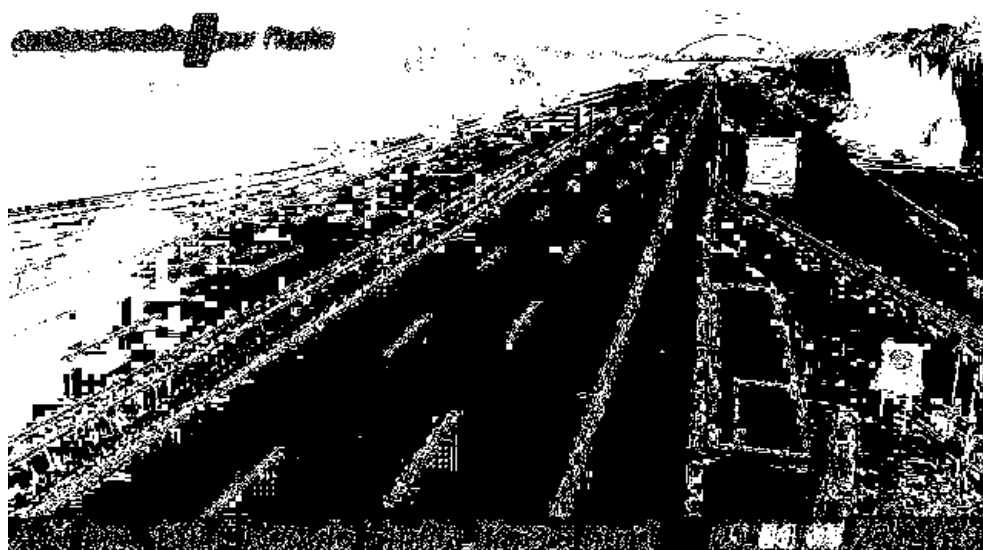
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 62.79%

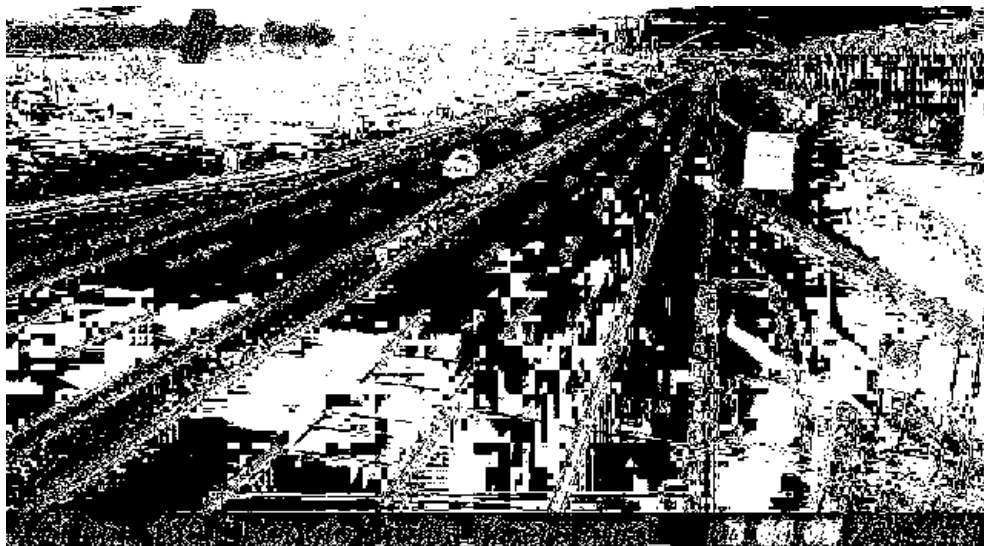
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 56.83%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 80.52%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 57.24%

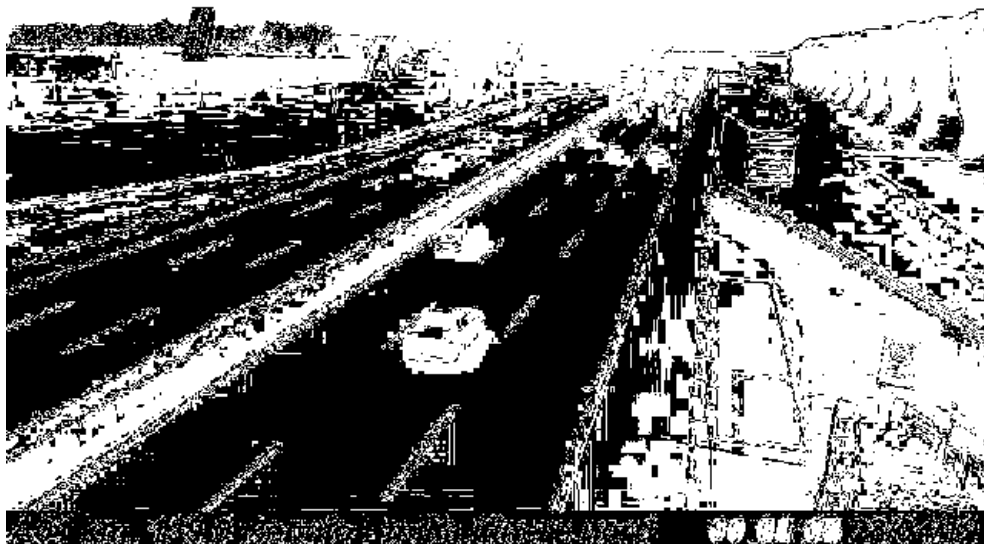
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 67.2%

Original frame:



Background detected:



Error plotted with threshold of 10:

