



Politecnico di Milano  
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

# BACKGROUND SUBTRACTION

Results report:

Webcam: A01 - km. 43,6 - Ads Somaglia

Threshold = 40

Ratio = 1

Andrea Mazzeo - 895579  
Daniele Moltisanti - 898977

## BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 78.9%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 75.95%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 74.46%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 80.85%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 76.1%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 85.48%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 29.84%

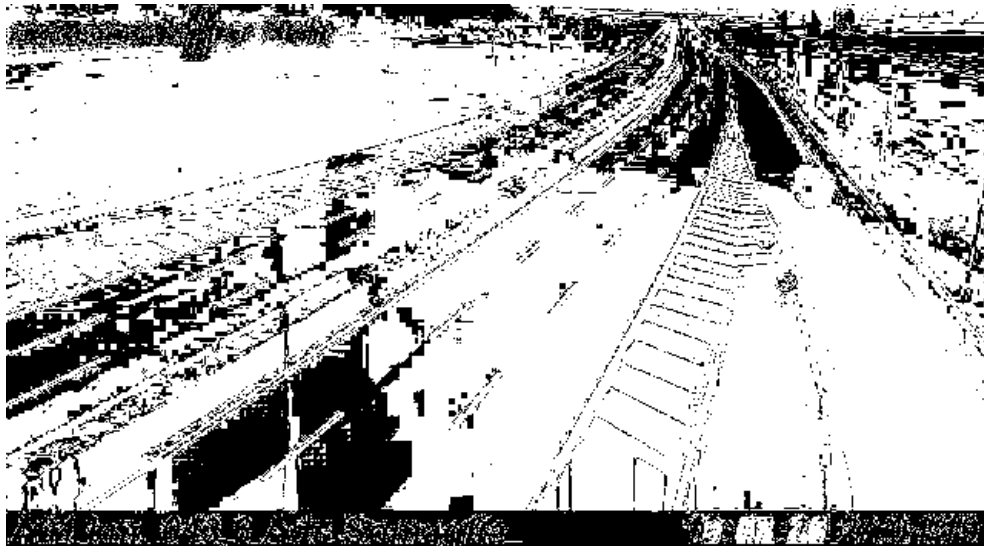
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 32.87%

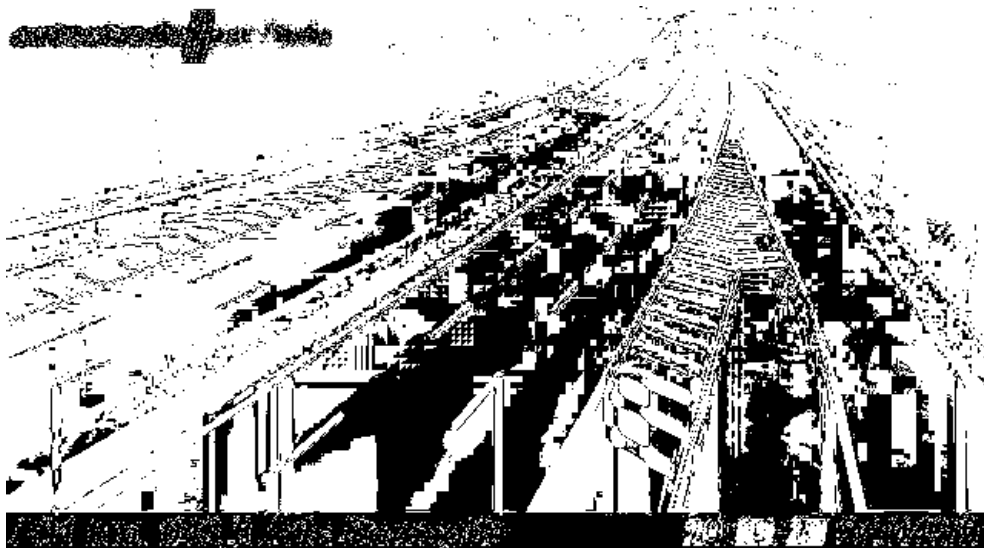
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 34.39%

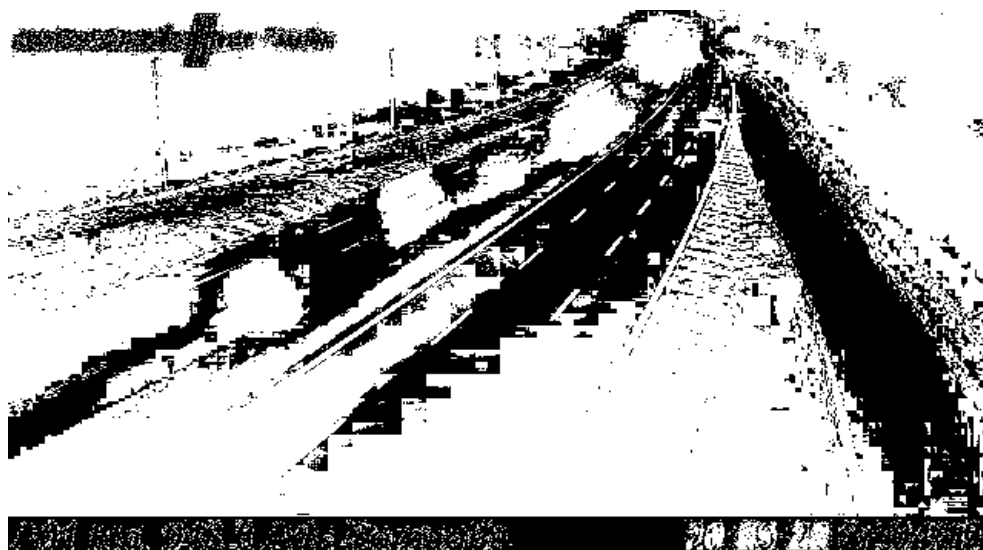
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 89.04%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 89.47%

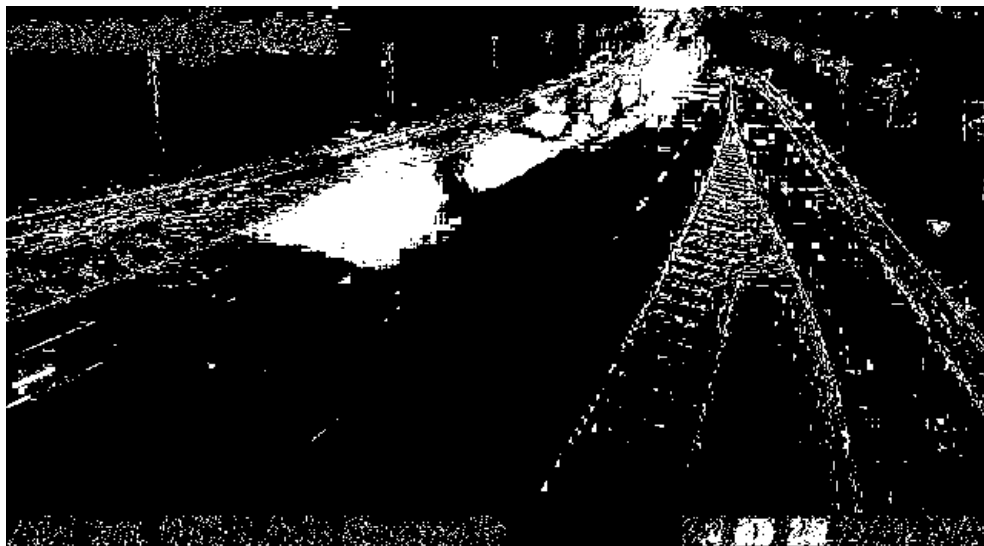
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 81.85%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 90.49%

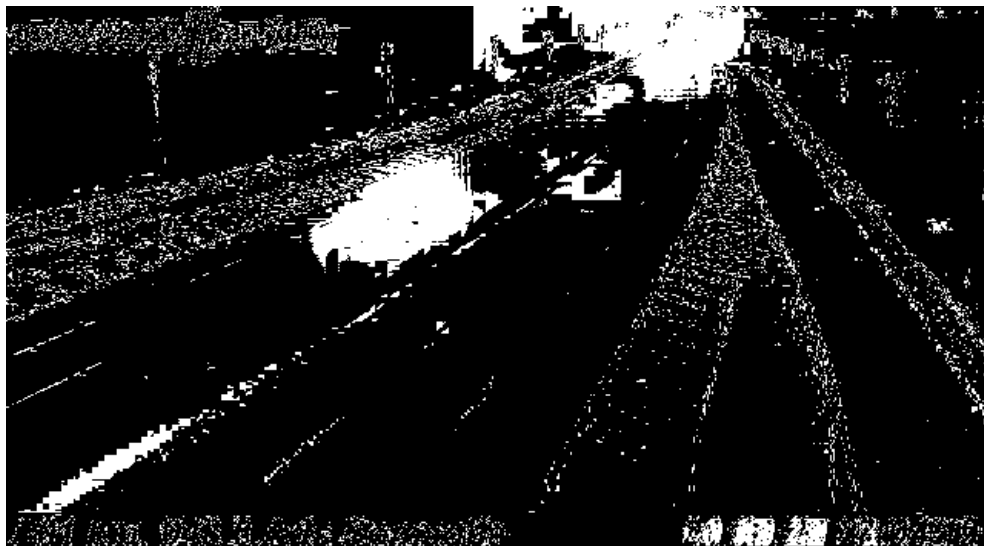
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 90.75%

Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 95.15%

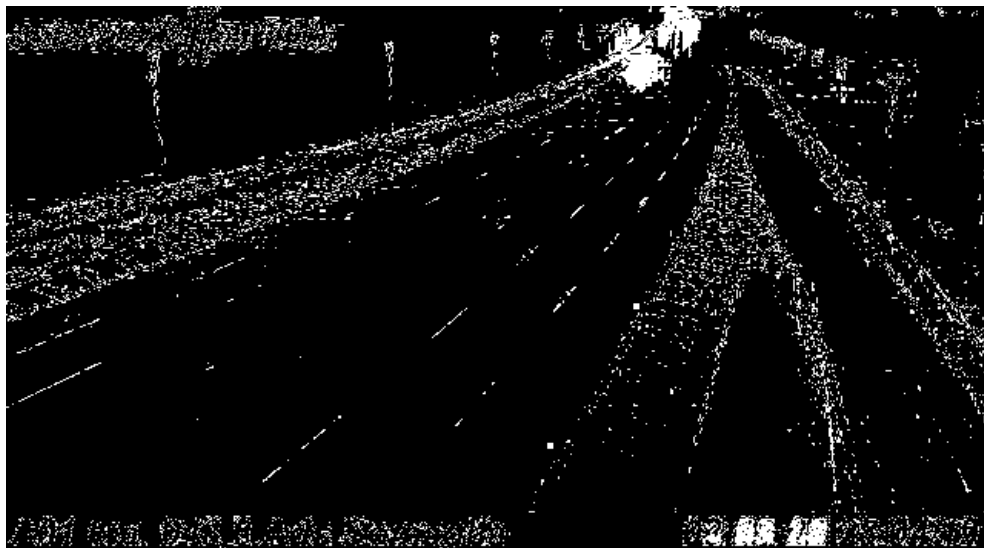
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 89.16%

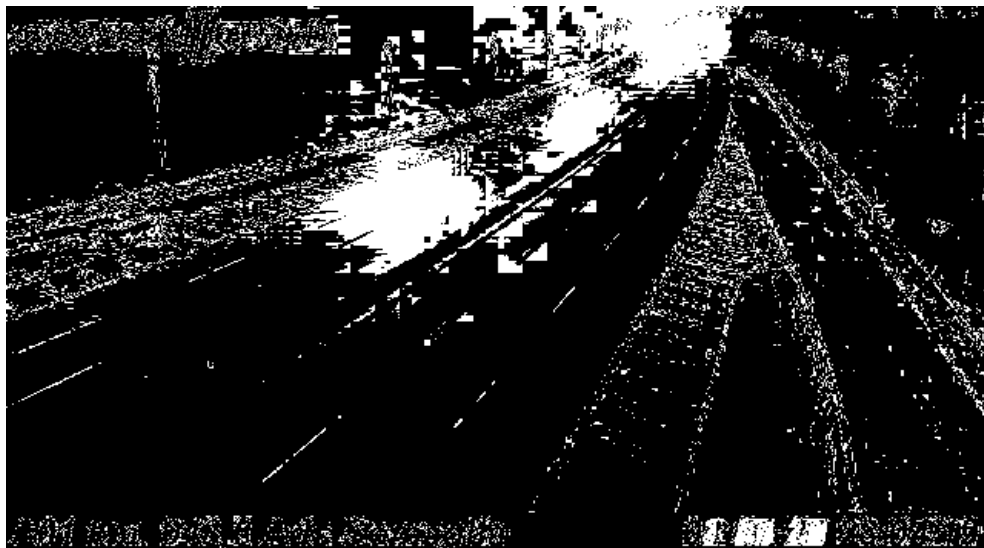
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 66.51%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 18.46%

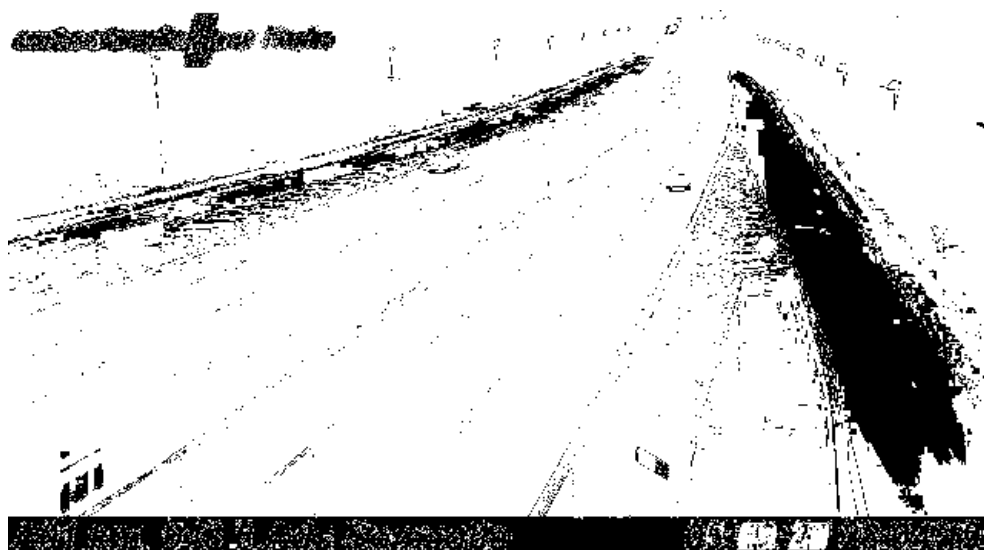
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 56.72%

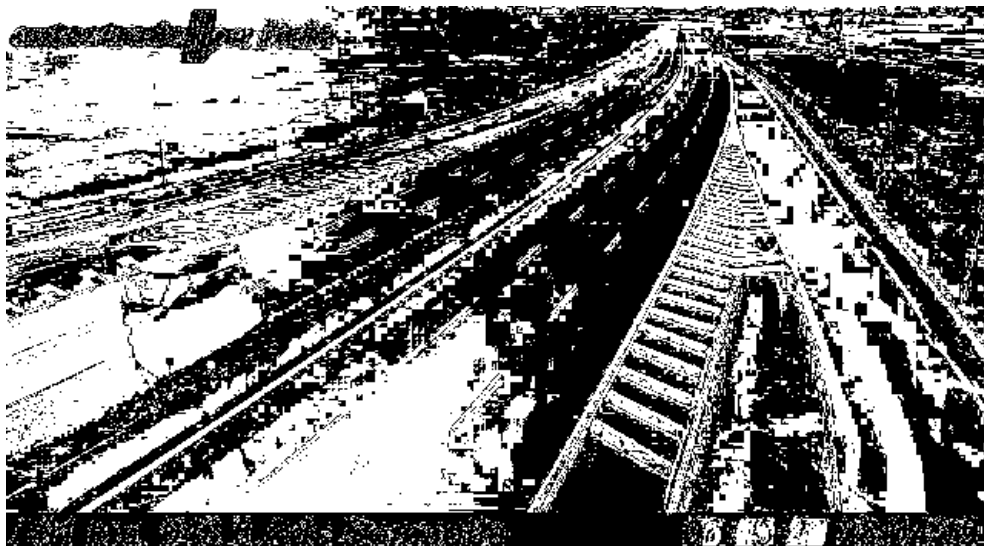
Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 54.19%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 72.61%

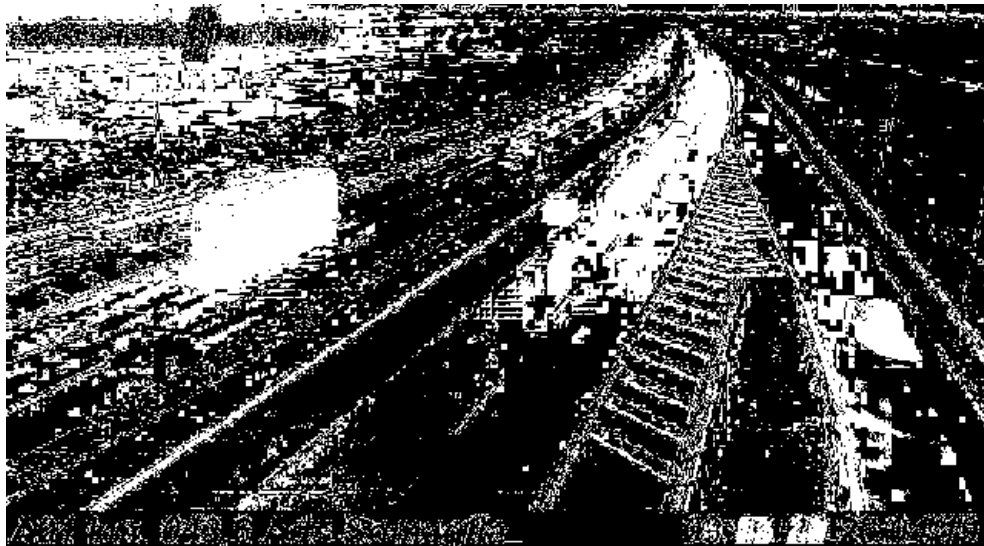
Original frame:



Background detected:



Error plotted with threshold of 10:





## BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 33.05%

Original frame:



Background detected:



Error plotted with threshold of 10:



## BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 77.93%

Original frame:



Background detected:



Error plotted with threshold of 10:

