



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 = 0.7

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

Background detected with accuracy of 85.42%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10

Background detected with accuracy of 14.96%

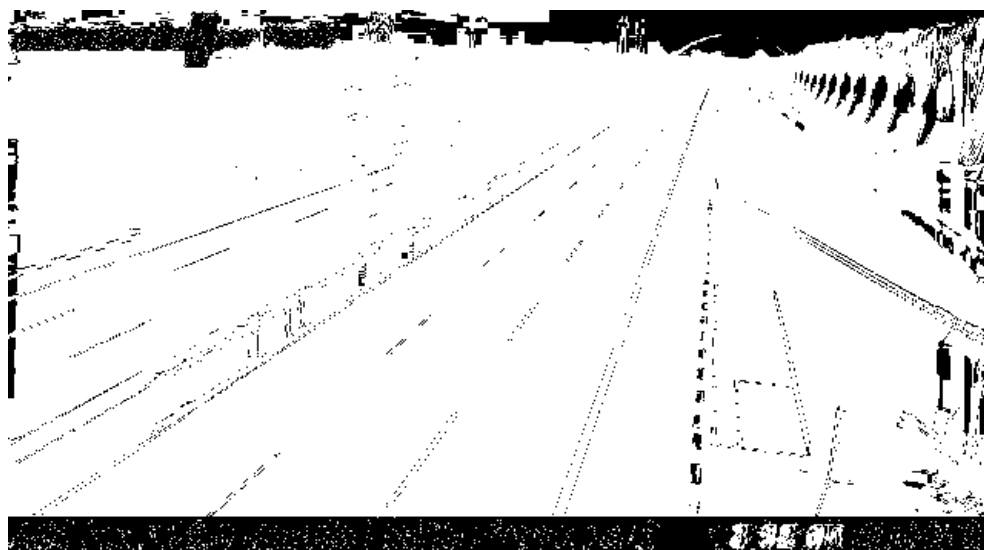
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 78.67%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 77.45%

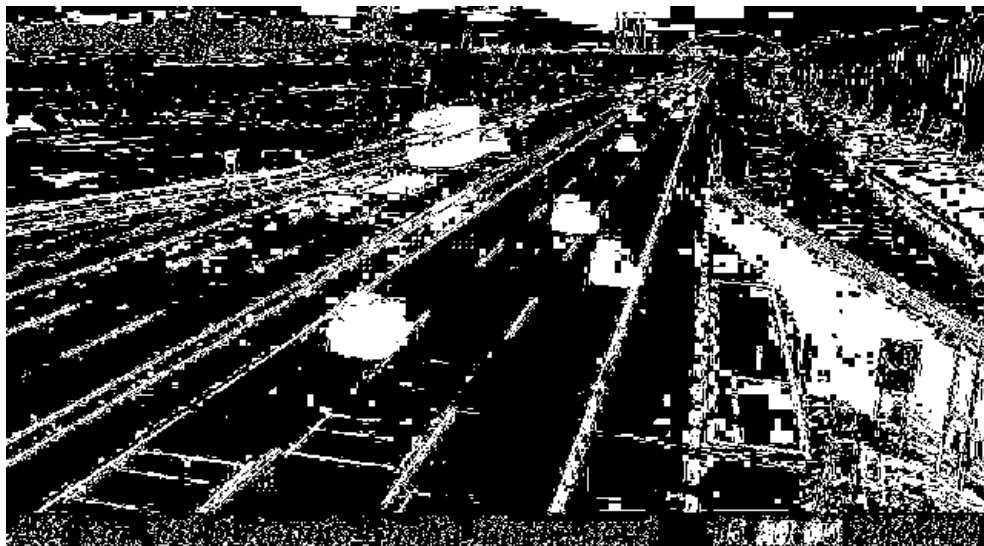
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 78.52%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 85.31%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 83.53%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 51.8%

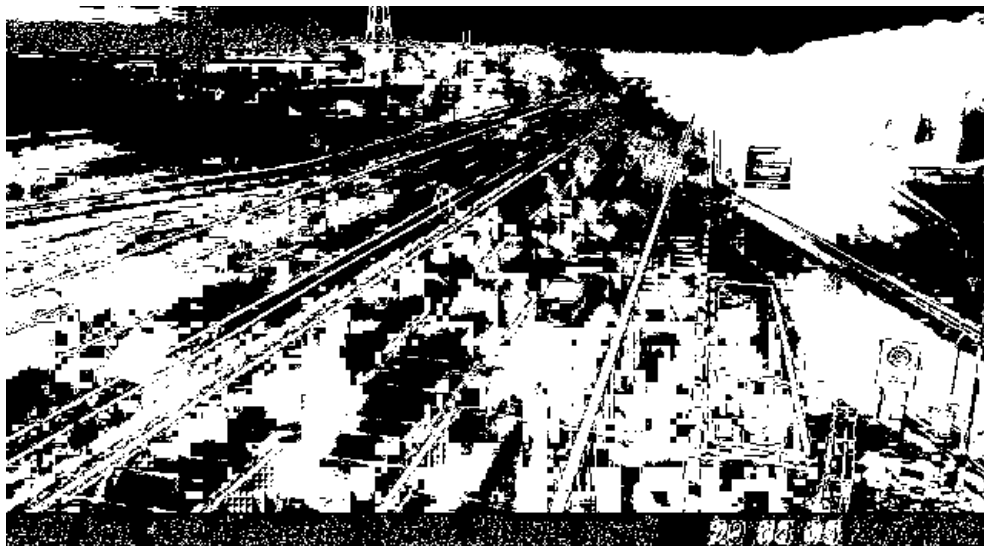
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 29.81%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 68.53%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 73.34%

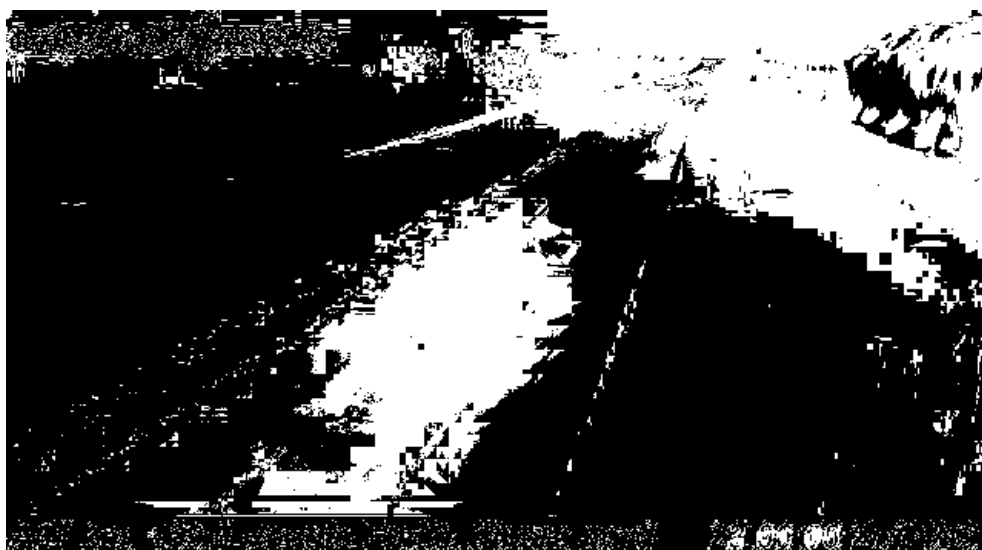
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 85.84%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 89.85%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 82.08%

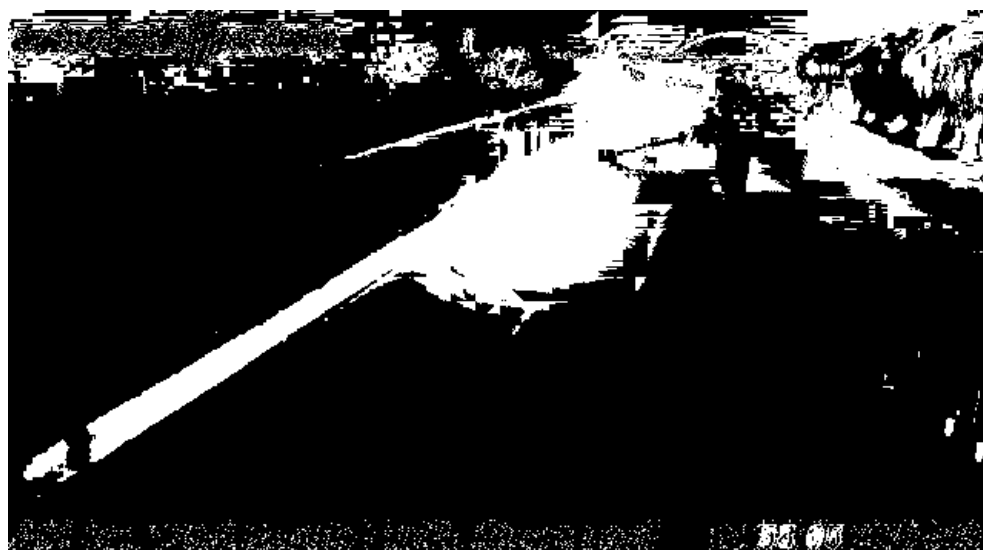
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 91.62%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 79.57%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10

Background detected with accuracy of 71.27%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10

Background detected with accuracy of 15.87%

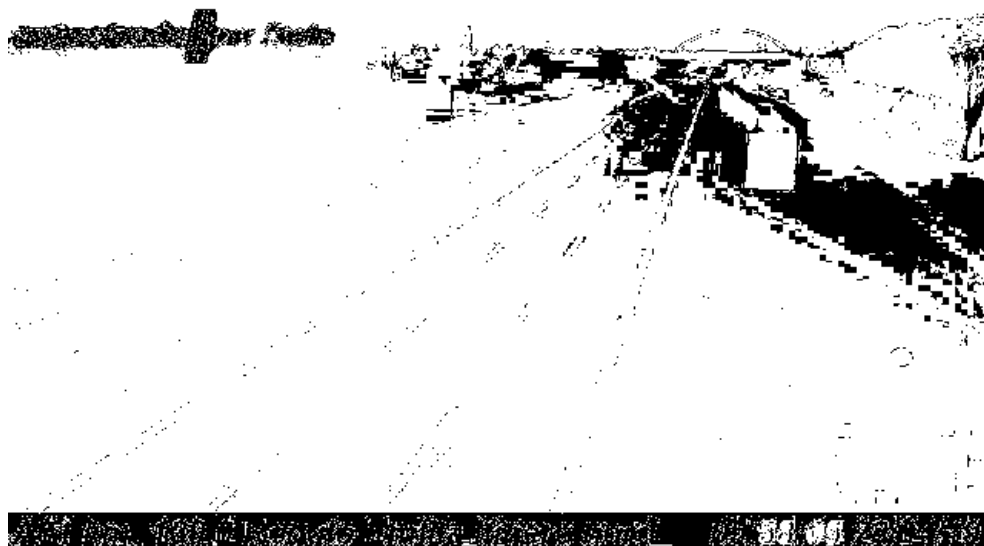
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10

Background detected with accuracy of 68.88%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 65.05%

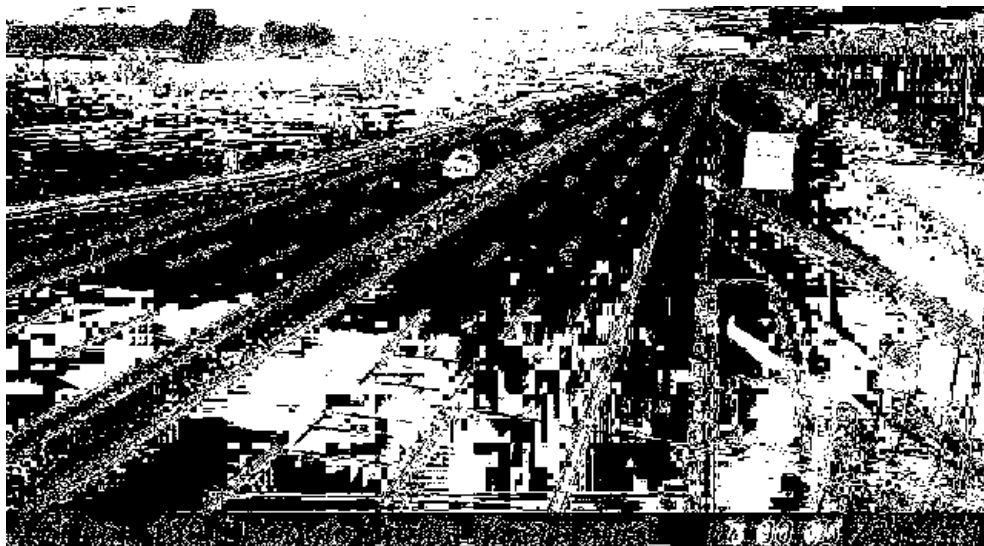
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 58.62%

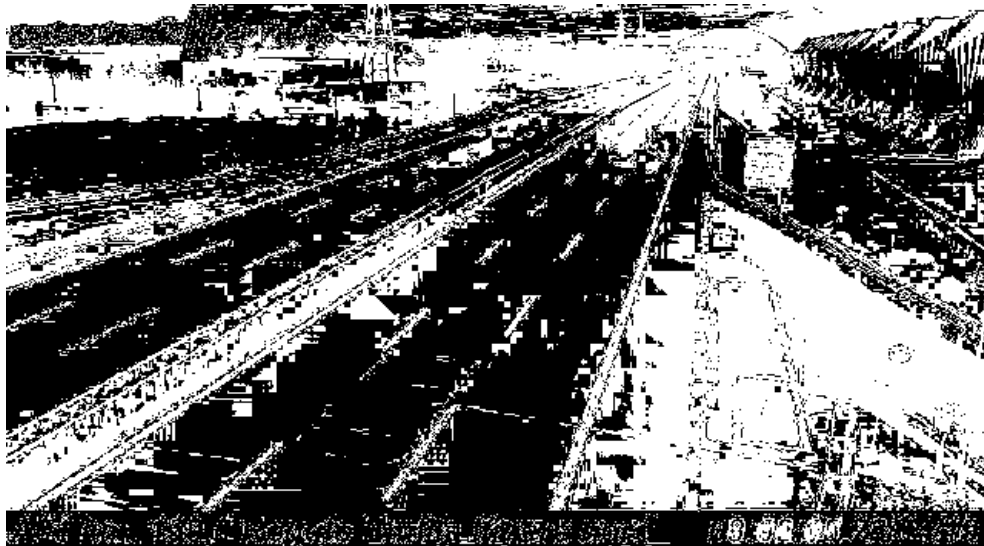
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 83.19%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10

Background detected with accuracy of 56.83%

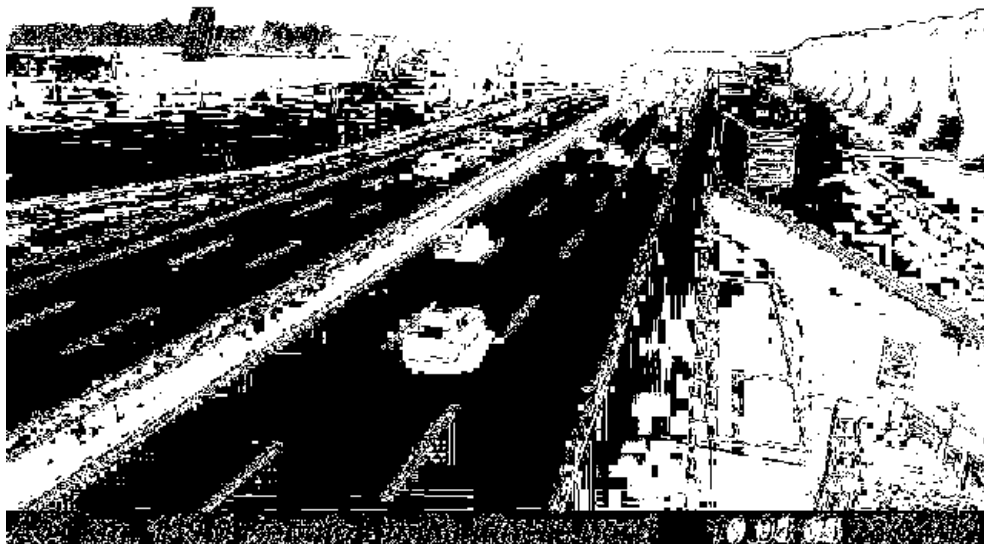
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 65.81%

Original frame:



Background detected:



Error plotted with threshold of 10:

