



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 15

Background detected with accuracy of 87.39%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 15

Background detected with accuracy of 83.94%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 15

Background detected with accuracy of 82.02%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 15

Background detected with accuracy of 88.67%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 15

Background detected with accuracy of 85.99%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 15

Background detected with accuracy of 91.1%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 15

Background detected with accuracy of 44.69%

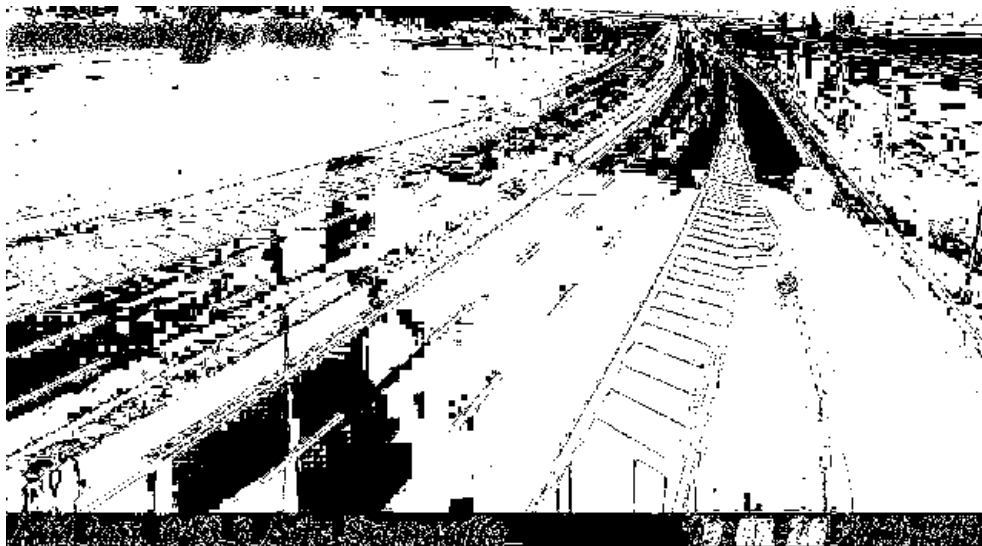
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 15

Background detected with accuracy of 51.99%

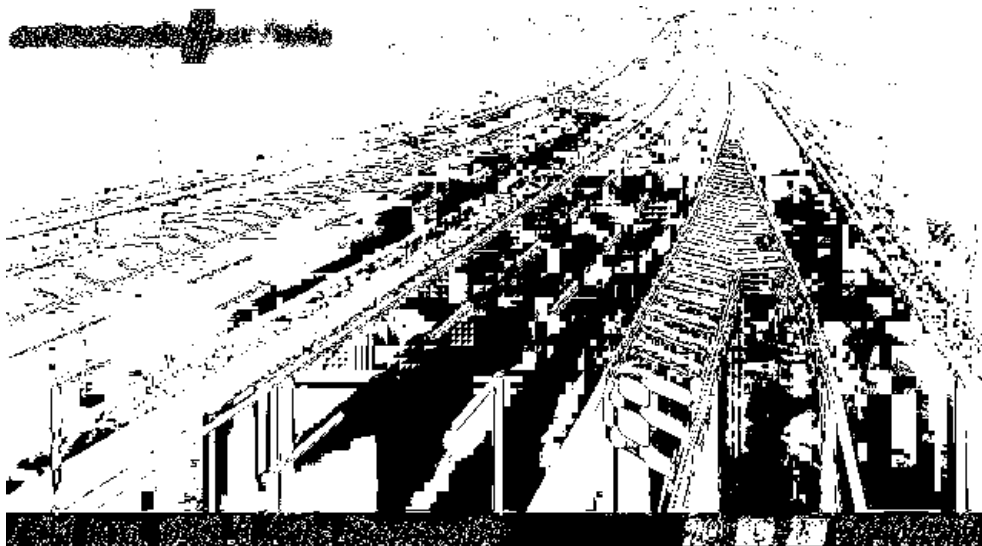
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 15

Background detected with accuracy of 54.33%

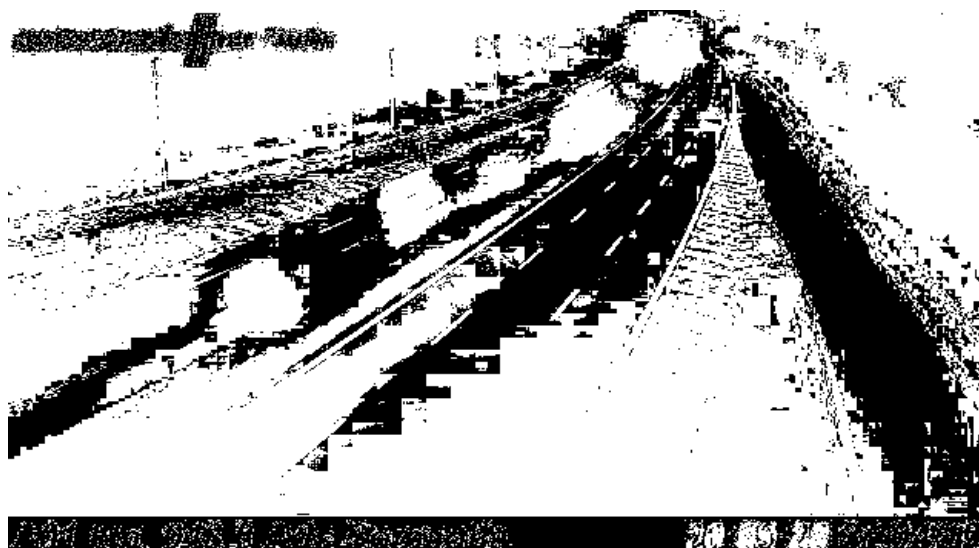
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 15

Background detected with accuracy of 94.09%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 15

Background detected with accuracy of 94.51%

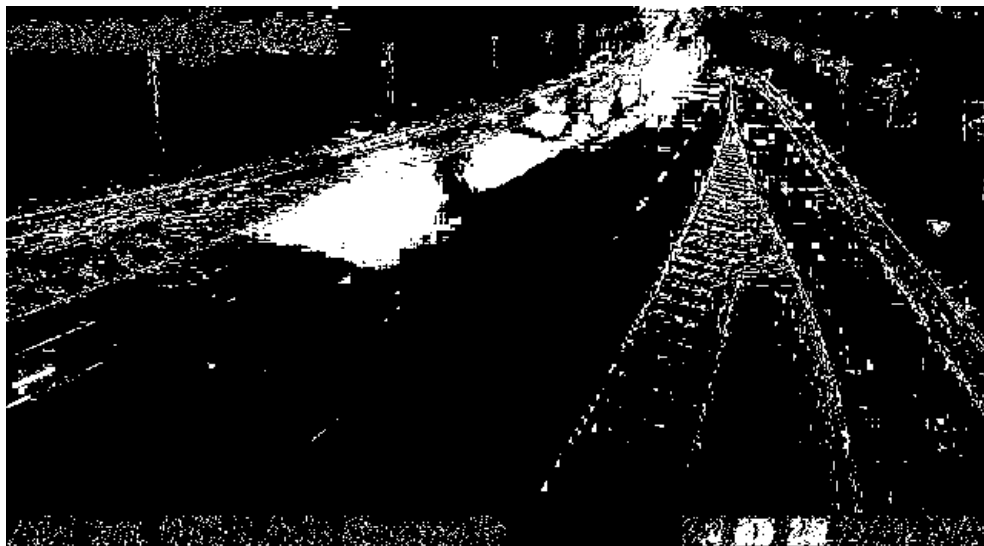
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 15

Background detected with accuracy of 90.36%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 15

Background detected with accuracy of 95.28%

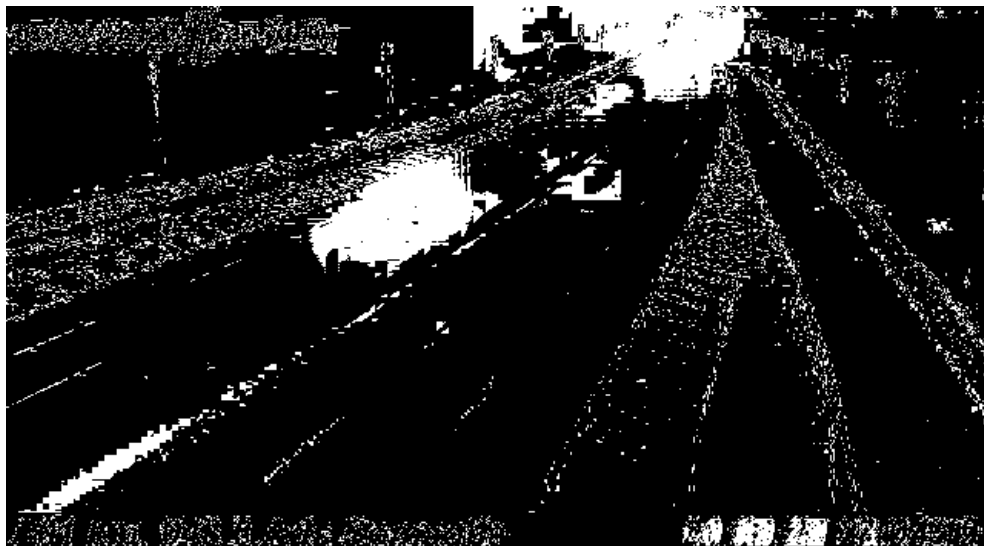
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 15

Background detected with accuracy of 96.39%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 15

Background detected with accuracy of 98.21%

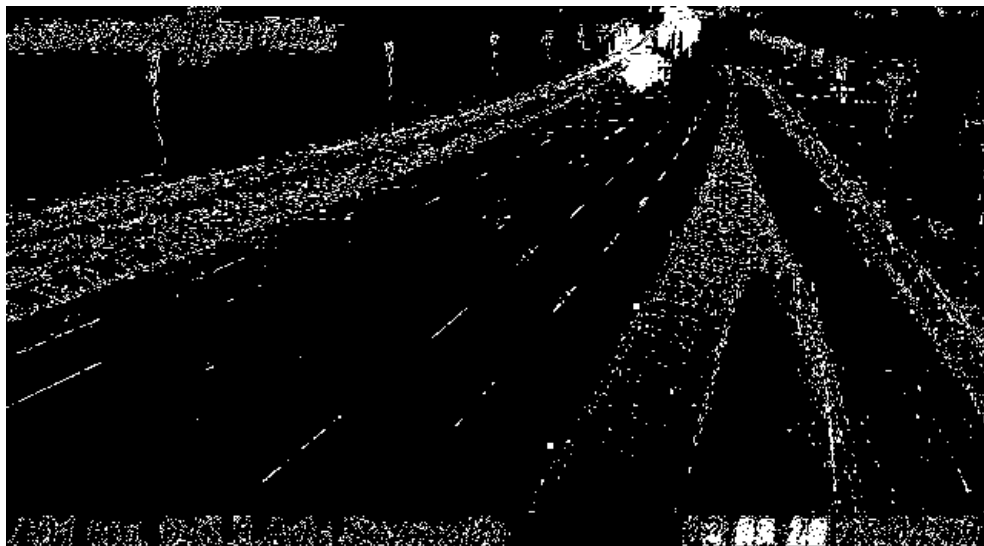
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 15

Background detected with accuracy of 94.88%

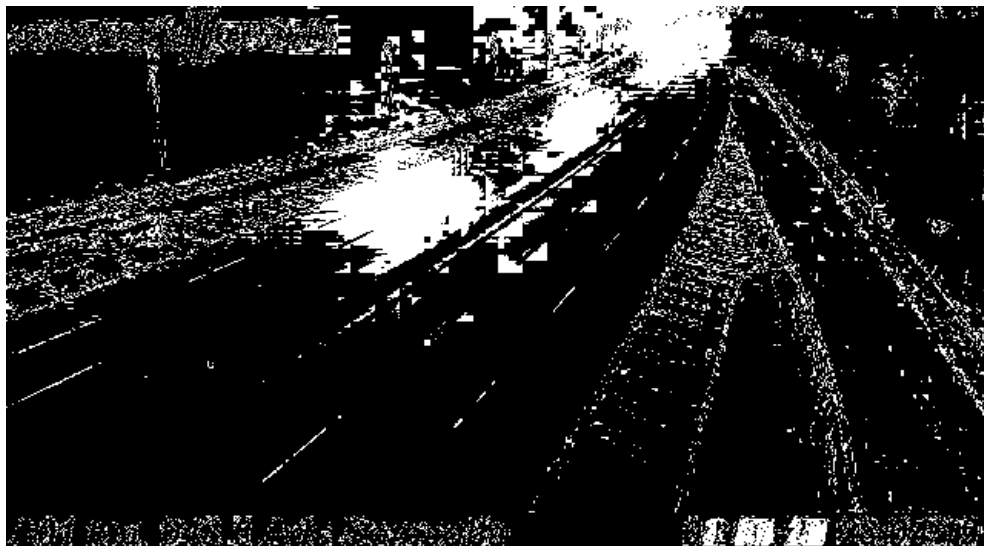
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 15

Background detected with accuracy of 80.72%

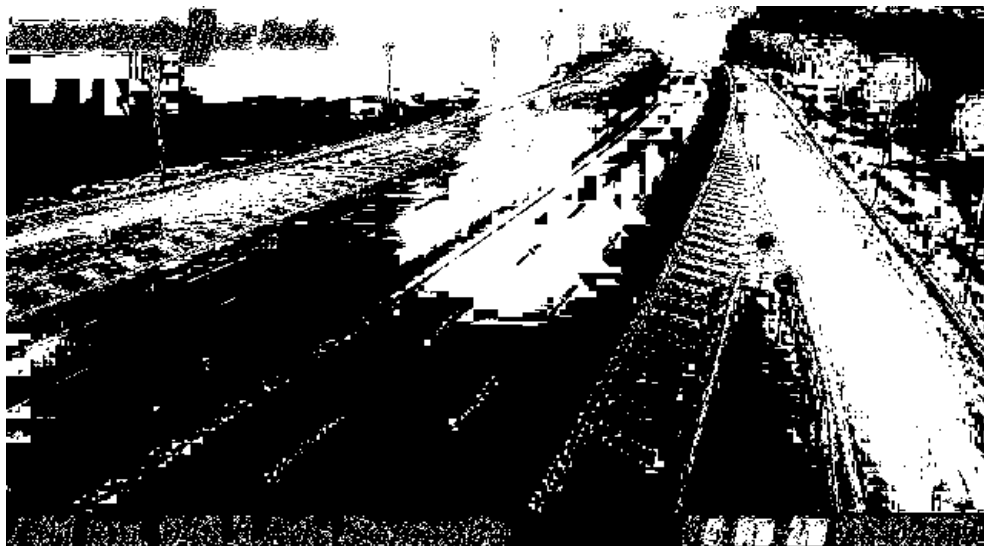
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 15

Background detected with accuracy of 24.54%

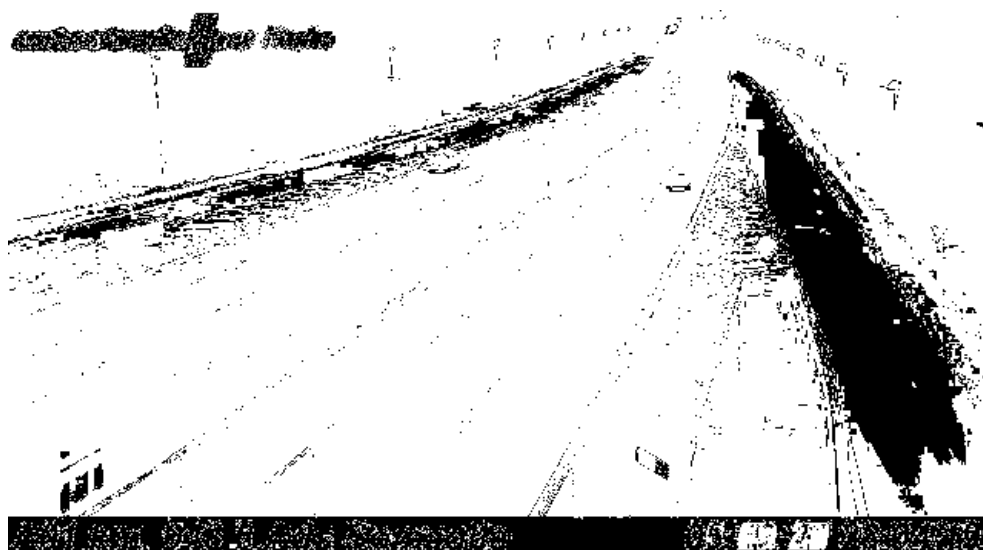
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 15

Background detected with accuracy of 74.75%

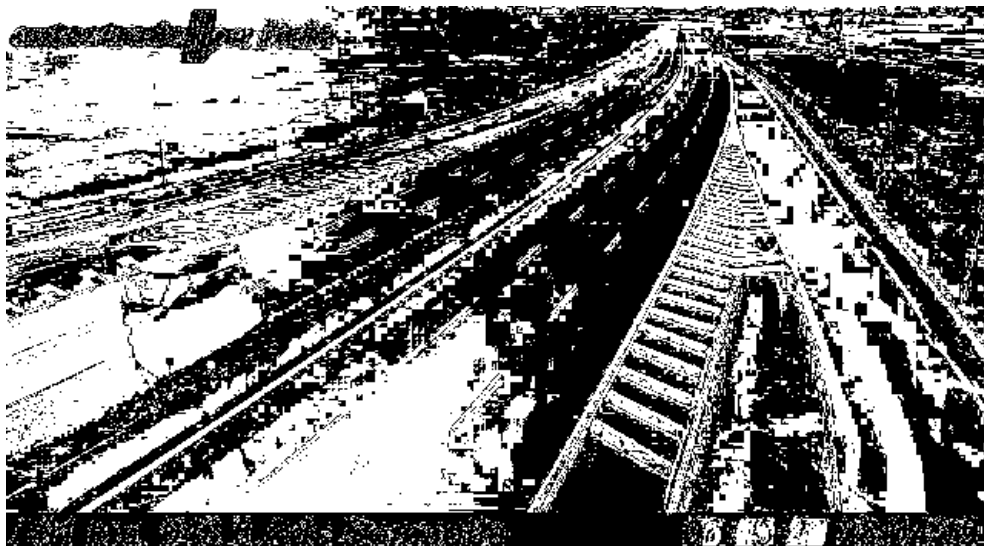
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 15

Background detected with accuracy of 69.35%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 15

Background detected with accuracy of 87.41%

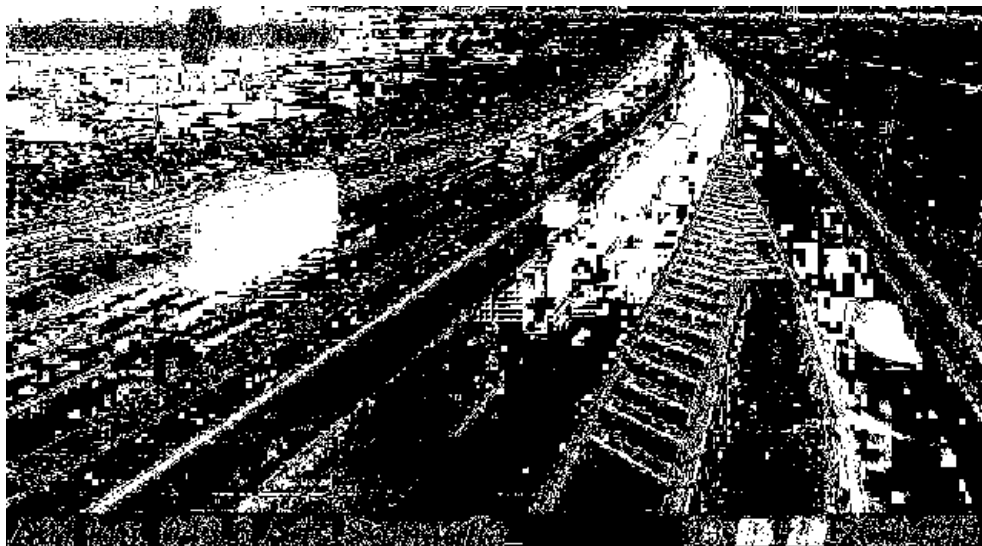
Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 15

Background detected with accuracy of 52.7%

Original frame:



Background detected:



Error plotted with threshold of 10:



BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 15

Background detected with accuracy of 88.83%

Original frame:



Background detected:



Error plotted with threshold of 10:

