Politecnico di Milano
AA 2018 - 2019

Computer Science and Engineering

IMAGE ANALYSIS AND COMPUTER VISION PROJECT

BACKGROUND SUBTRACTION

Results report:

Webcam: A13 - km. 33,0 Ferrara Sud shelter itinere Nord

Threshold = 40

Ratio = 1

Andrea Mazzeo - 895579
Daniele Moltisanti - 898977

BACKGROUND DETECTION NUMBER 0 WITH THRESHOLD OF 10

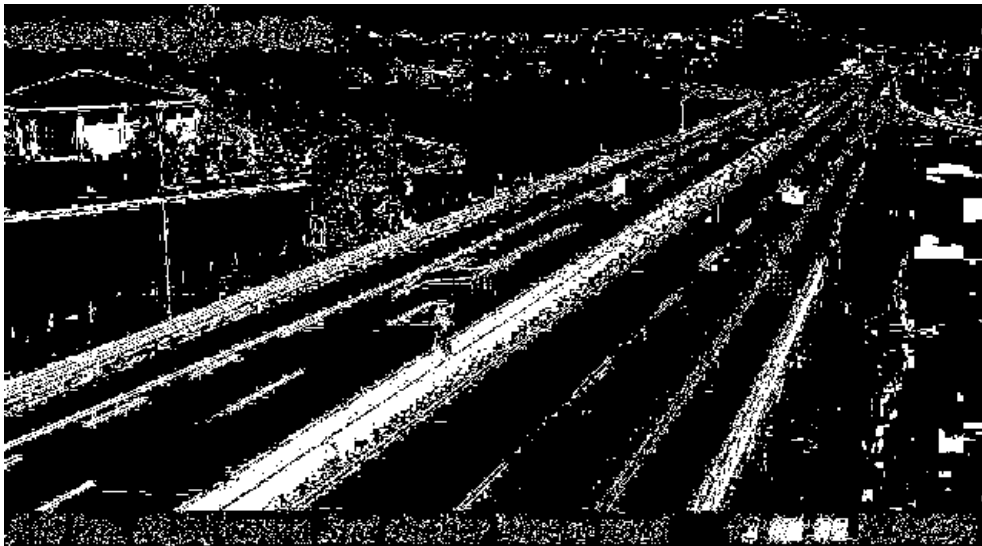Background detected with accuracy of 86.71%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 1 WITH THRESHOLD OF 10
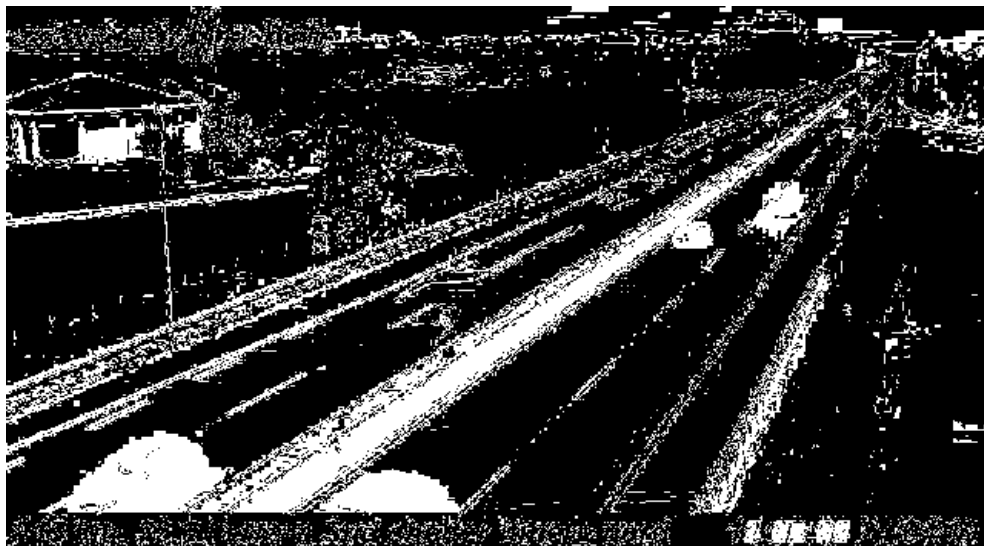
Background detected with accuracy of 82.4%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 2 WITH THRESHOLD OF 10

Background detected with accuracy of 83.79%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 3 WITH THRESHOLD OF 10

Background detected with accuracy of 81.04%
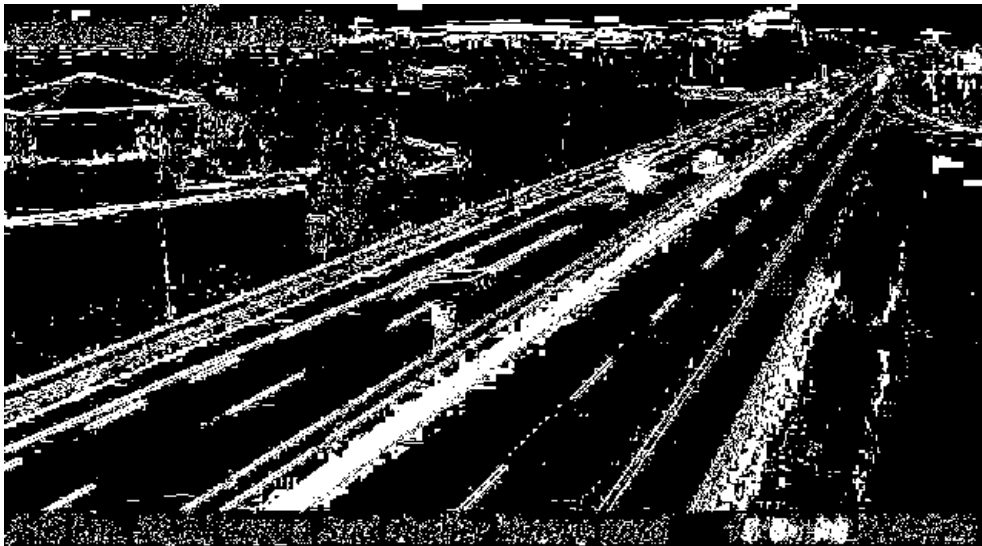
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 4 WITH THRESHOLD OF 10

Background detected with accuracy of 76.56%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 5 WITH THRESHOLD OF 10

Background detected with accuracy of 79.09%
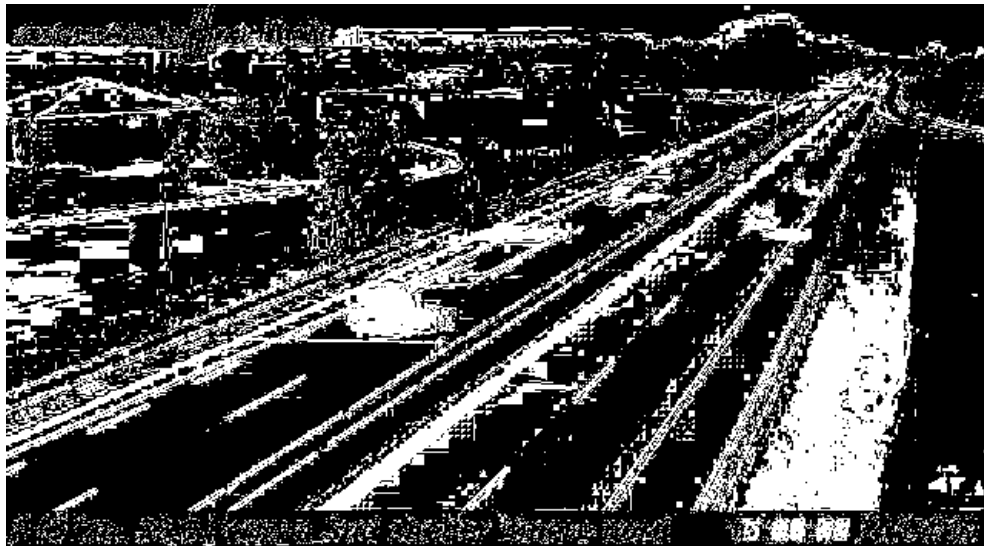
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 6 WITH THRESHOLD OF 10

Background detected with accuracy of 60.01%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 7 WITH THRESHOLD OF 10

Background detected with accuracy of 51.28%
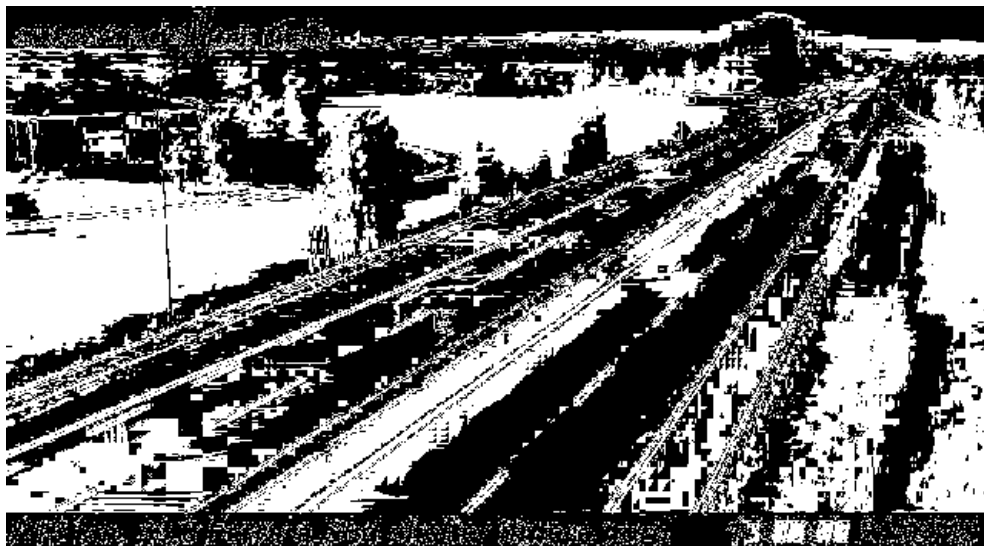
Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 8 WITH THRESHOLD OF 10

Background detected with accuracy of 15.62%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 9 WITH THRESHOLD OF 10

Background detected with accuracy of 78.05%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 10 WITH THRESHOLD OF 10

Background detected with accuracy of 82.55%

Original frame:

A13 km. 33,0 Ferrara Sud shelter itinere nord   23:01:00 27/04/19

Background detected:

A13 km. 33,0 Ferrara Sud shelter itinere nord   22:55:08 27/04/19

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 11 WITH THRESHOLD OF 10

Background detected with accuracy of 93.15%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 12 WITH THRESHOLD OF 10

Background detected with accuracy of 93.78%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 13 WITH THRESHOLD OF 10

Background detected with accuracy of 91.7%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 14 WITH THRESHOLD OF 10

Background detected with accuracy of 96.01%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 15 WITH THRESHOLD OF 10

Background detected with accuracy of 95.54%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 16 WITH THRESHOLD OF 10
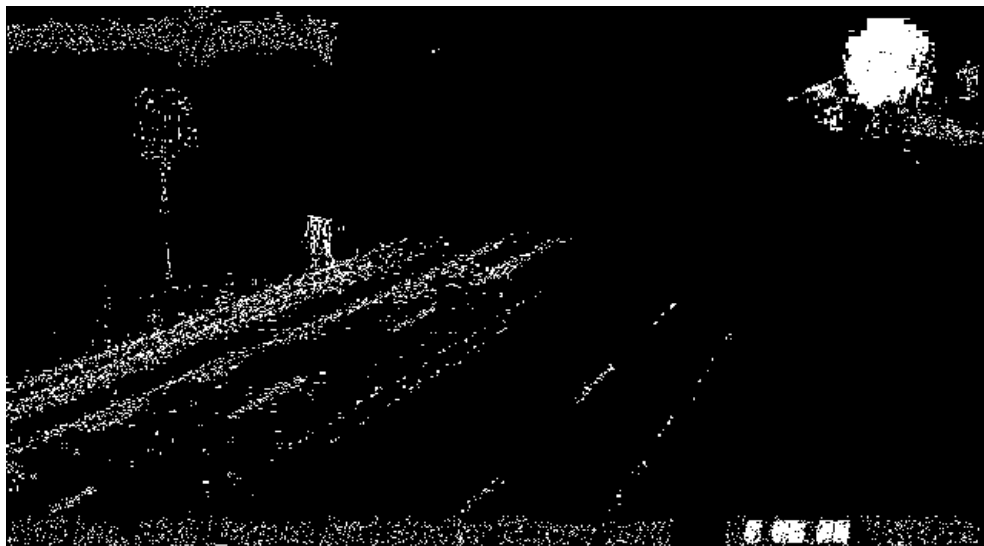
Background detected with accuracy of 96.06%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 17 WITH THRESHOLD OF 10
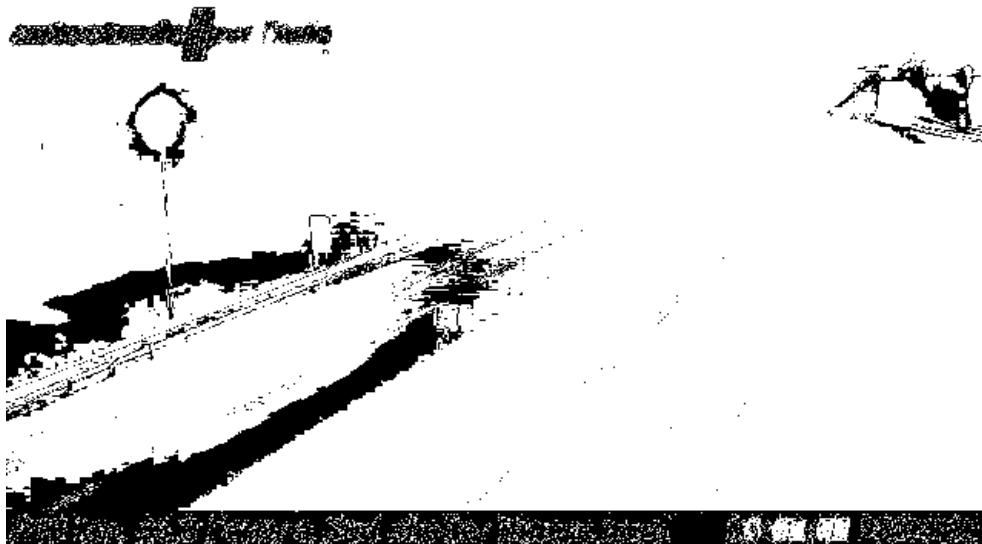
Background detected with accuracy of 15.24%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 18 WITH THRESHOLD OF 10
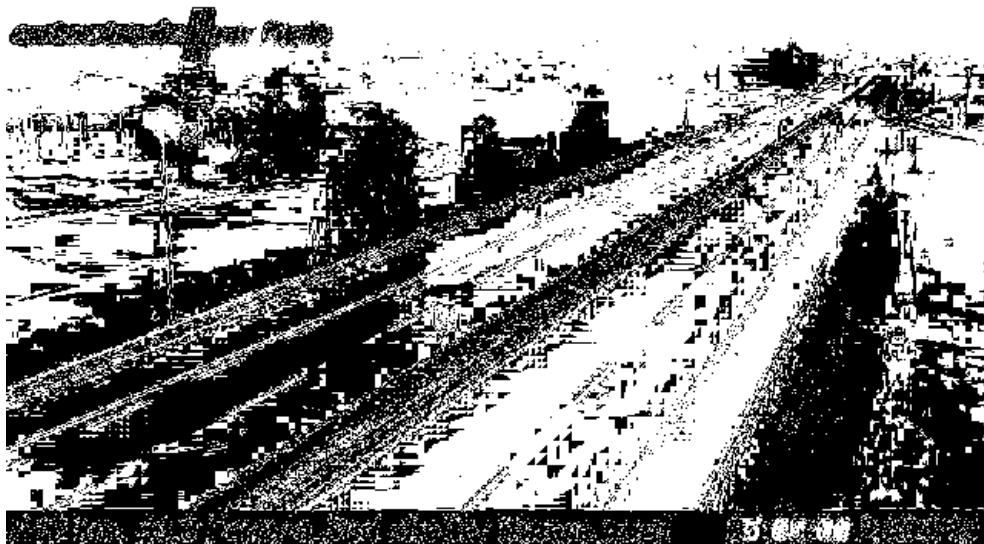
Background detected with accuracy of 53.67%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 19 WITH THRESHOLD OF 10

Background detected with accuracy of 85.6%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 20 WITH THRESHOLD OF 10

Background detected with accuracy of 86.42%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 21 WITH THRESHOLD OF 10

Background detected with accuracy of 76.01%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 22 WITH THRESHOLD OF 10
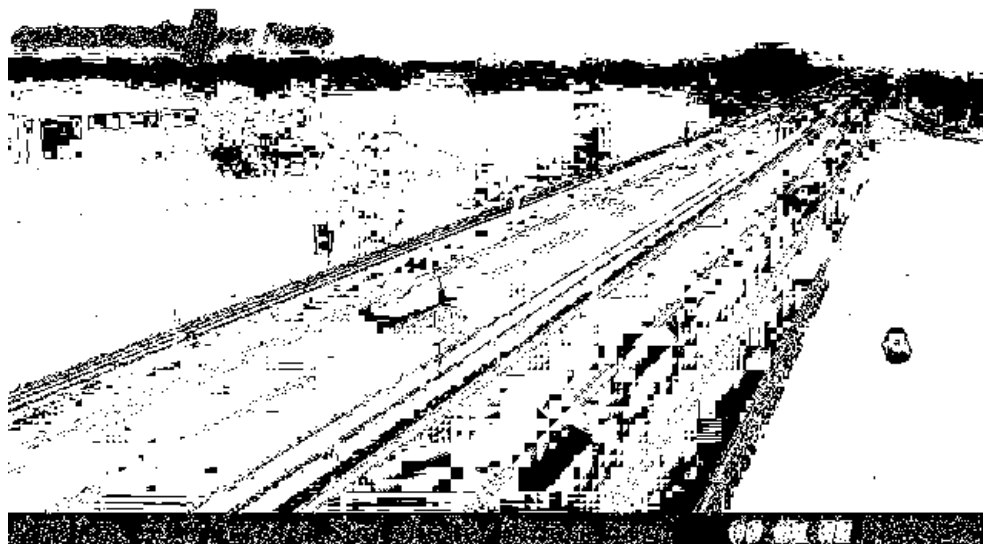
Background detected with accuracy of 27.23%

Original frame:

Background detected:

Error plotted with threshold of 10:

BACKGROUND DETECTION NUMBER 23 WITH THRESHOLD OF 10

Background detected with accuracy of 55.28%

Original frame:

Background detected:

Error plotted with threshold of 10: