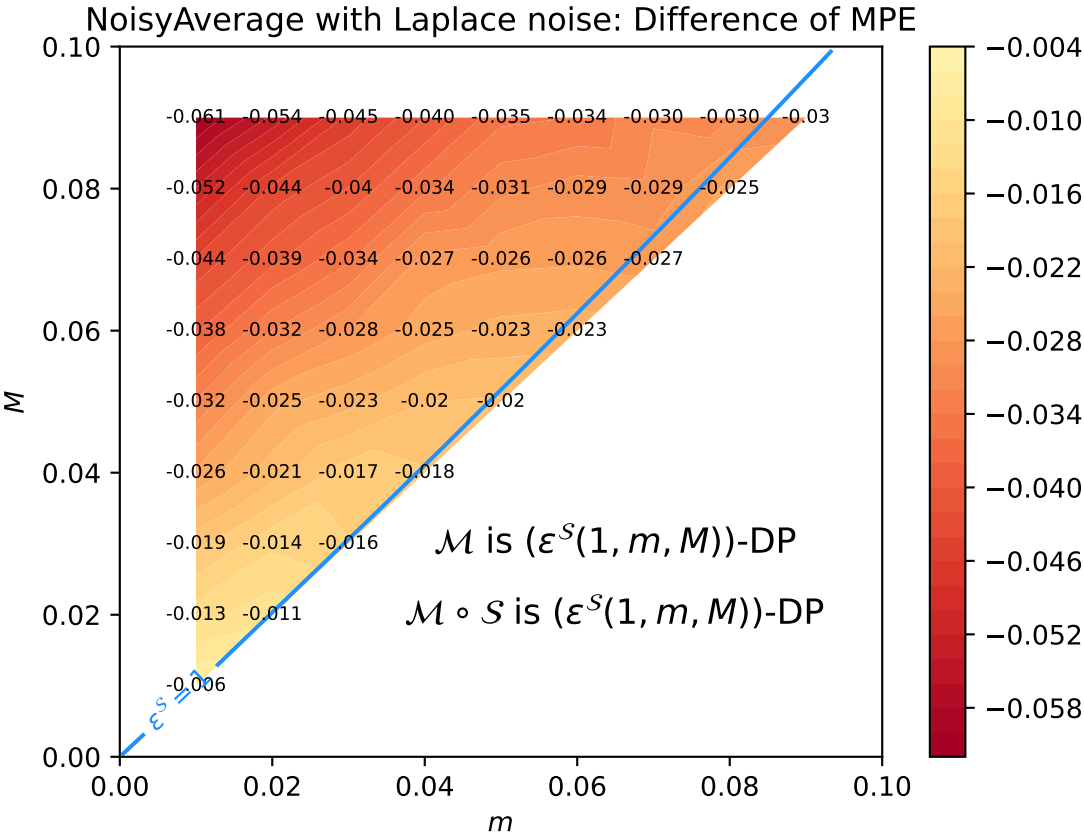
NoisyAverage with Laplace noise: Difference of MPE
0.10
0.08
0.06
0.04
0.02
0.00
M
0.00
0.02
0.04
0.06
0.08
0.10
m
-0.061 -0.054 -0.045 -0.040 -0.035 -0.034 -0.030 -0.030 -0.03
-0.052 -0.044 -0.04 -0.034 -0.031 -0.029 -0.029 -0.025
-0.044 -0.039 -0.034 -0.027 -0.026 -0.026 -0.027
-0.038 -0.032 -0.028 -0.025 -0.023 -0.023
-0.032 -0.025 -0.023 -0.02 -0.02
-0.026 -0.021 -0.017 -0.018
-0.019 -0.014 -0.016
-0.013 -0.011
-0.006
$\varepsilon^{\mathcal{S}} = 1$
$\mathcal{M}$ is $(\varepsilon^{\mathcal{S}}(1, m, M))$-DP
$\mathcal{M} \circ \mathcal{S}$ is $(\varepsilon^{\mathcal{S}}(1, m, M))$-DP
−0.004
−0.010
−0.016
−0.022
−0.028
−0.034
−0.040
−0.046
−0.052
−0.058