First Cycle

Y [m]

0.4
0.2
0.0
−0.2
−0.4

−2.00 −1.75 −1.50 −1.25 −1.00 −0.75 −0.50 −0.25 0.00

X [m]

Reference
No GP
Lambda = 1.0
Lambda = 0.8
Lambda = 0.5
DF-GP

Second Cycle

0.6
0.4
0.2
0.0
−0.2
−0.4
Y [m]

−2.0
−1.5
−1.0
−0.5
0.0
X [m]

Reference
No GP
Lambda = 1.0
Lambda = 0.8
Lambda = 0.5
DF-GP

Third Cycle

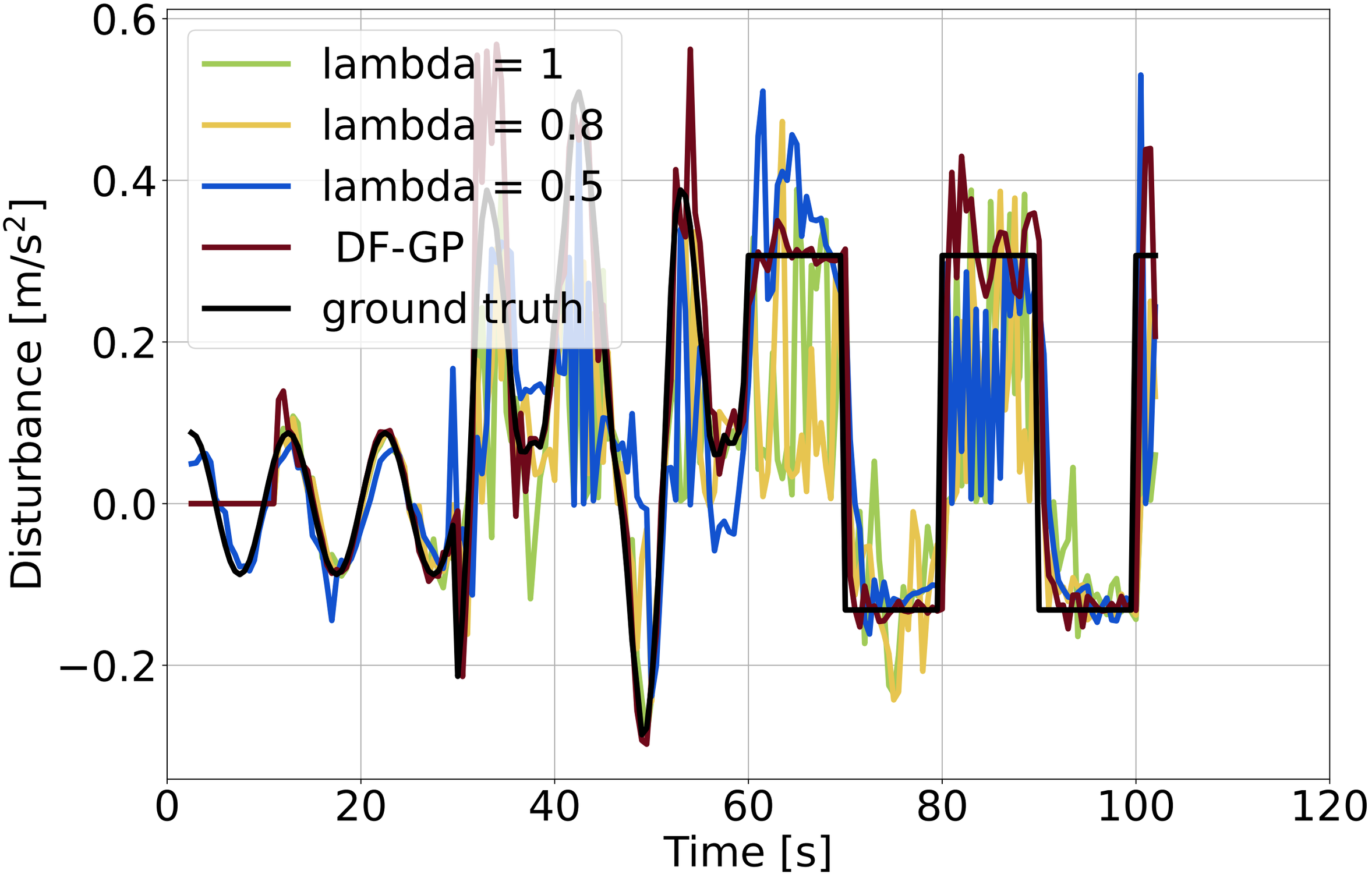
Y [m]

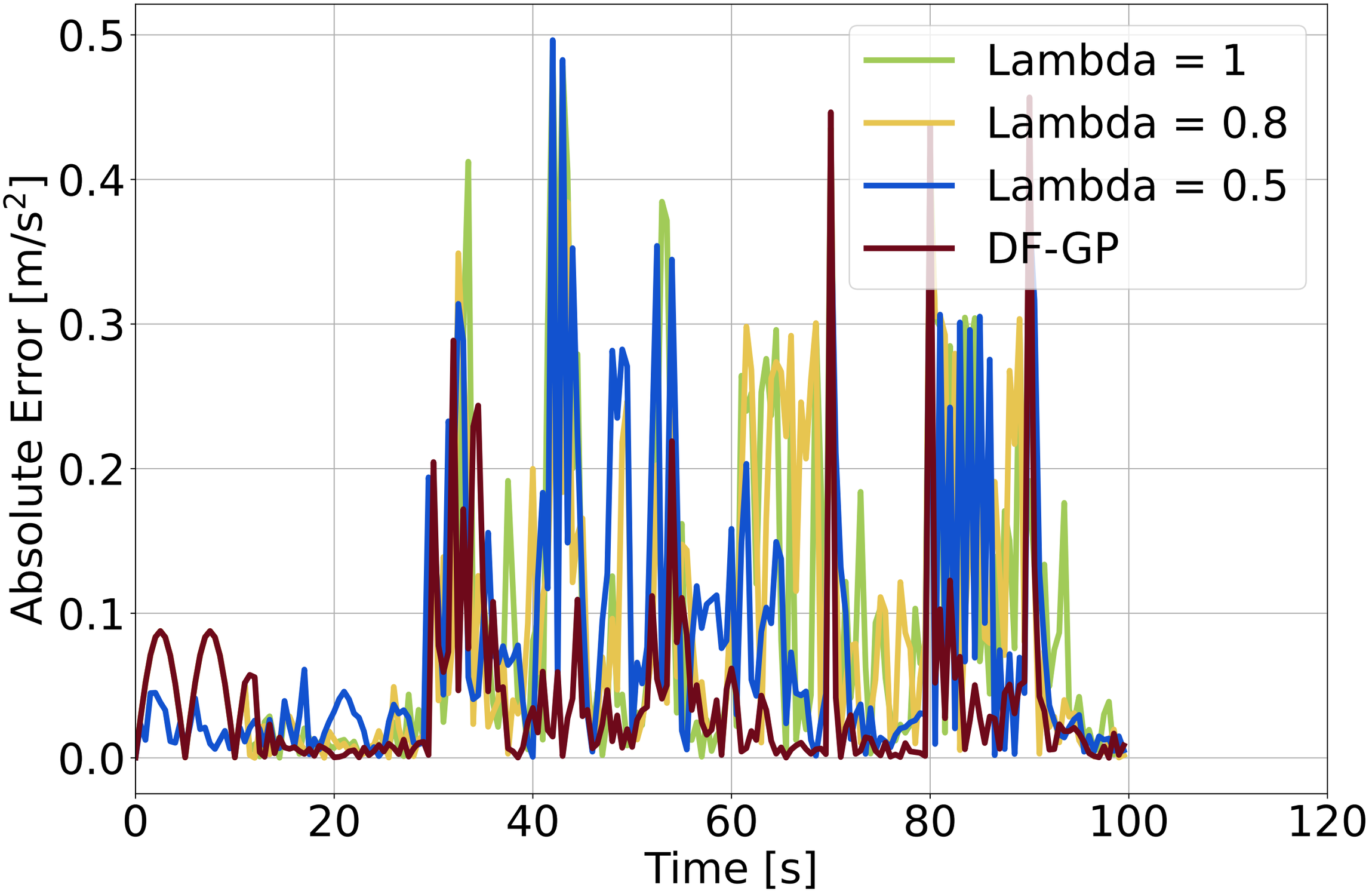
0.6
0.4
0.2
0.0
−0.2
−0.4

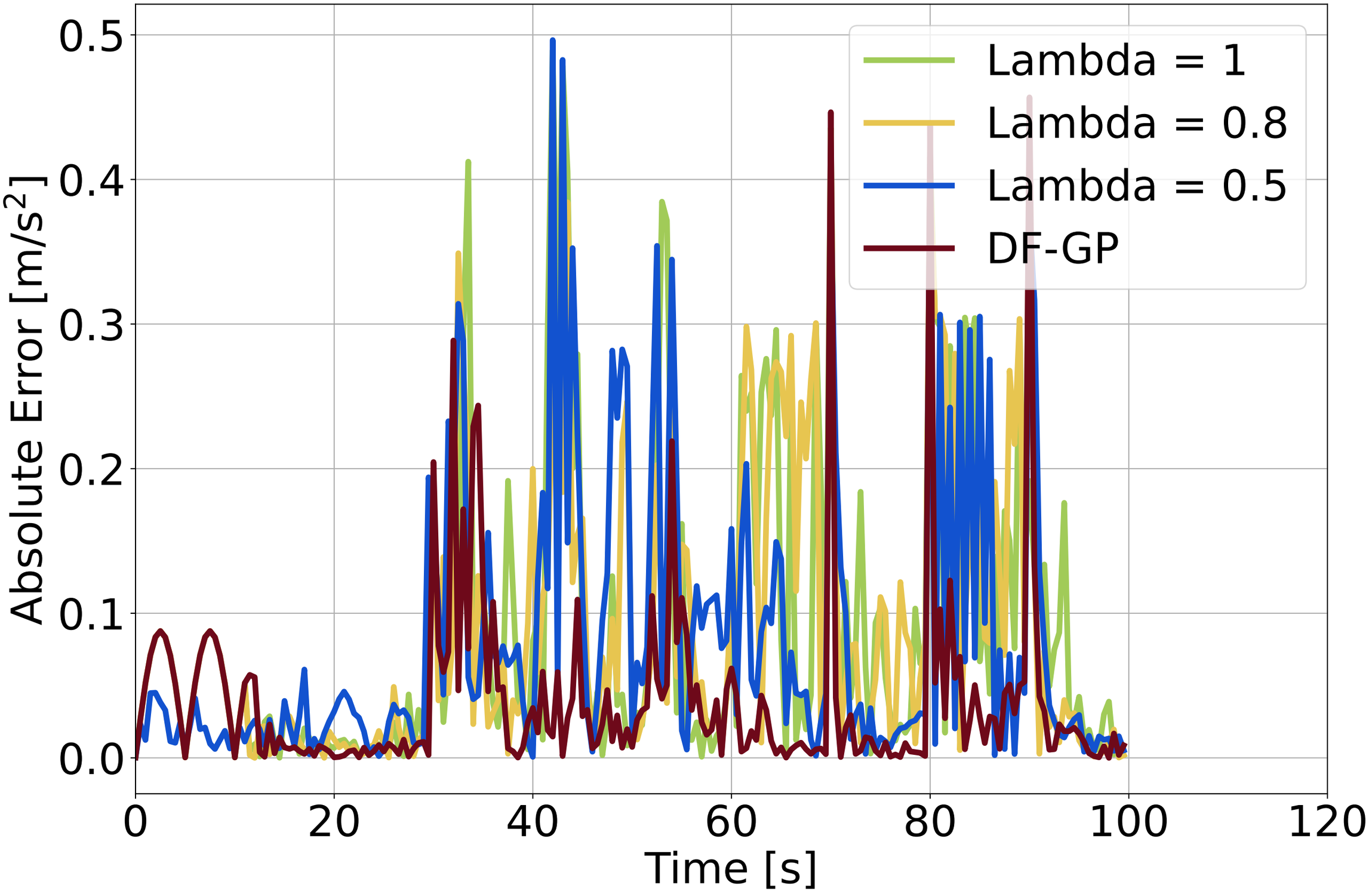
−2.00 −1.75 −1.50 −1.25 −1.00 −0.75 −0.50 −0.25 0.00

X [m]

Reference
No GP
Lambda = 1.0
Lambda = 0.8
Lambda = 0.5
DF-GP


lambda = 1
lambda = 0.8
lambda = 0.5
DF-GP
ground truth
Disturbance [m/s$^2$]
0.6
0.4
0.2
0.0
−0.2
0
20
40
60
80
100
120
Time [s]


Lambda = 1
Lambda = 0.8
Lambda = 0.5
DF-GP
Absolute Error [m/s$^2$]
0.0
0.1
0.2
0.3
0.4
0.5
0
20
40
60
80
100
120
Time [s]


Lambda = 1
Lambda = 0.8
Lambda = 0.5
DF-GP
Absolute Error [m/s$^2$]
0.0
0.1
0.2
0.3
0.4
0.5
0
20
40
60
80
100
120
Time [s]