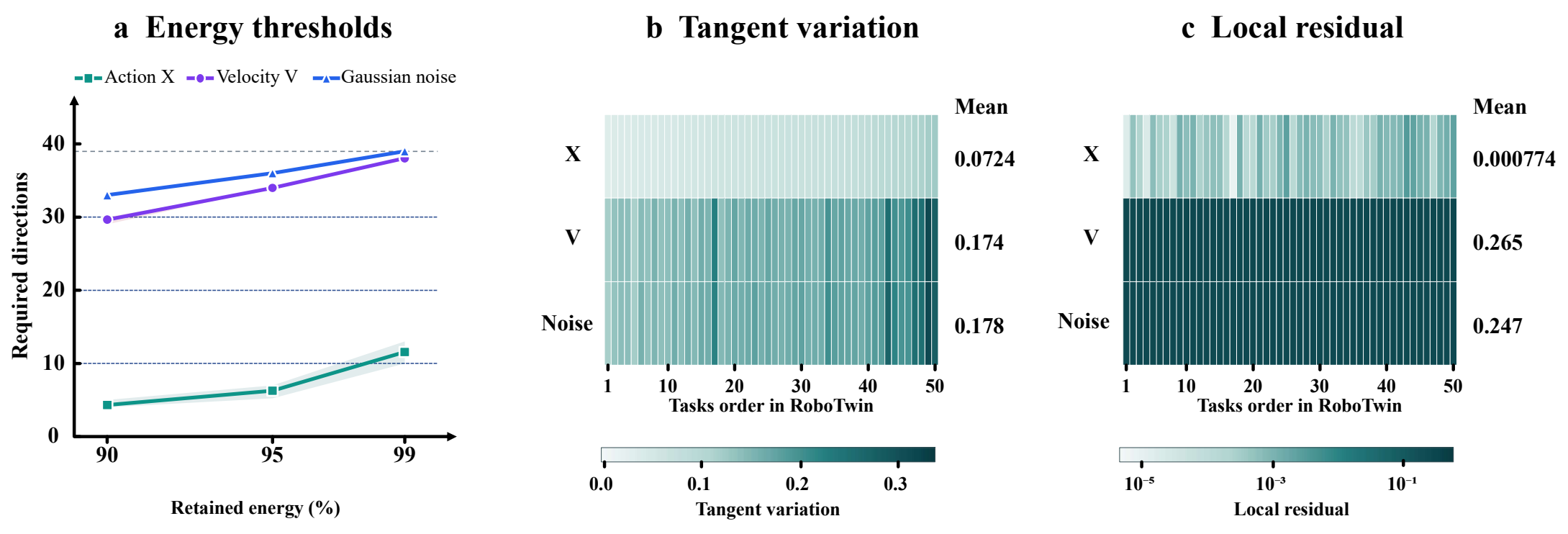

a Energy thresholds
Action X
Velocity V
Gaussian noise
Required directions
40
30
20
10
0
90
95
99
Retained energy (%)
b Tangent variation
Mean
X
0.0724
V
0.174
Noise
0.178
1
10
20
30
40
50
Tasks order in RoboTwin
0.0
0.1
0.2
0.3
Tangent variation
c Local residual
Mean
X
0.000774
V
0.265
Noise
0.247
1
10
20
30
40
50
Tasks order in RoboTwin
10^{-5}
10^{-3}
10^{-1}
Local residual