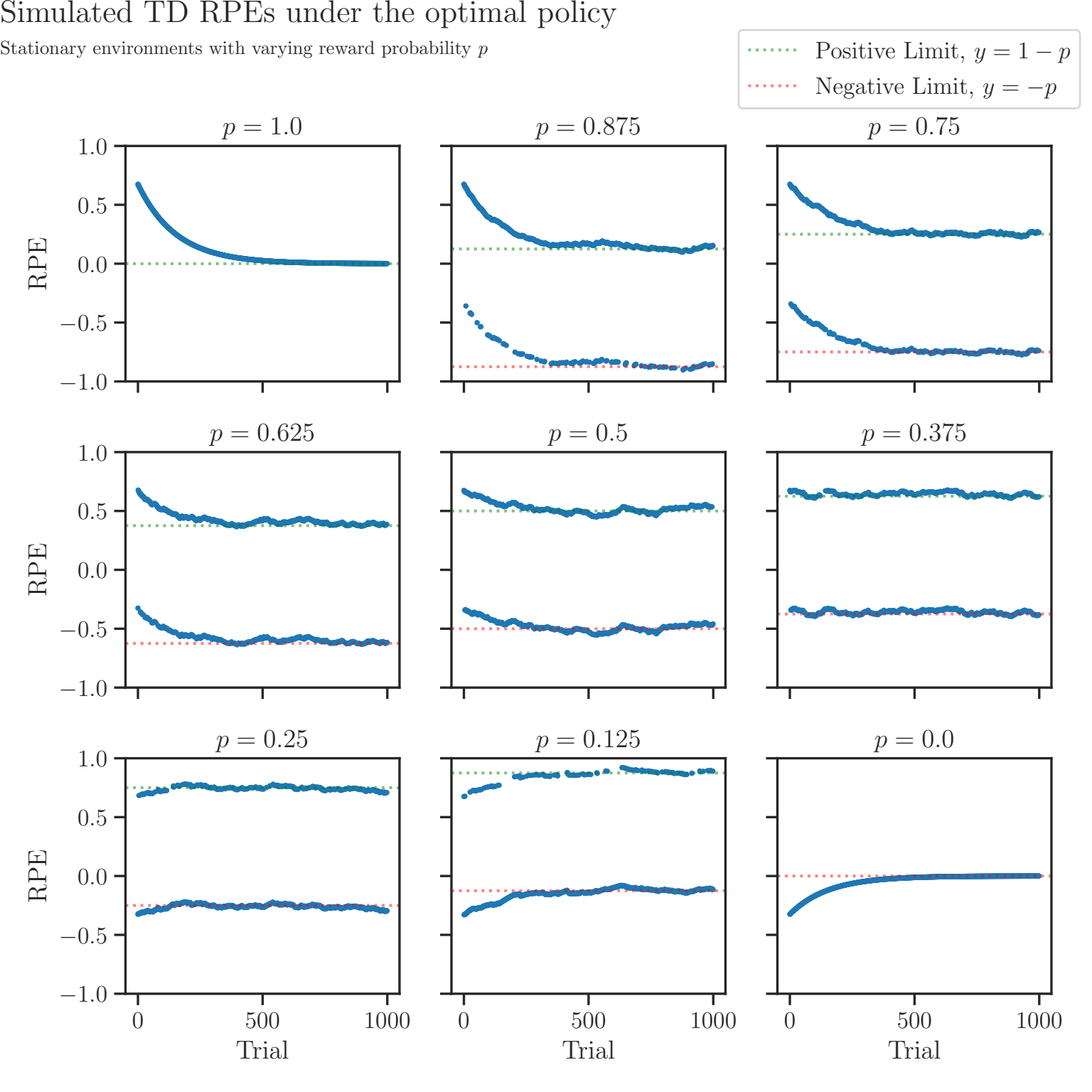
Simulated TD RPEs under the optimal policy
Stationary environments with varying reward probability p
Positive Limit, $y = 1 - p$
Negative Limit, $y = -p$
$p = 1.0$
$p = 0.875$
$p = 0.75$
$p = 0.625$
$p = 0.5$
$p = 0.375$
$p = 0.25$
$p = 0.125$
$p = 0.0$
RPE
Trial
1.0
0.5
0.0
−0.5
−1.0
0
500
1000