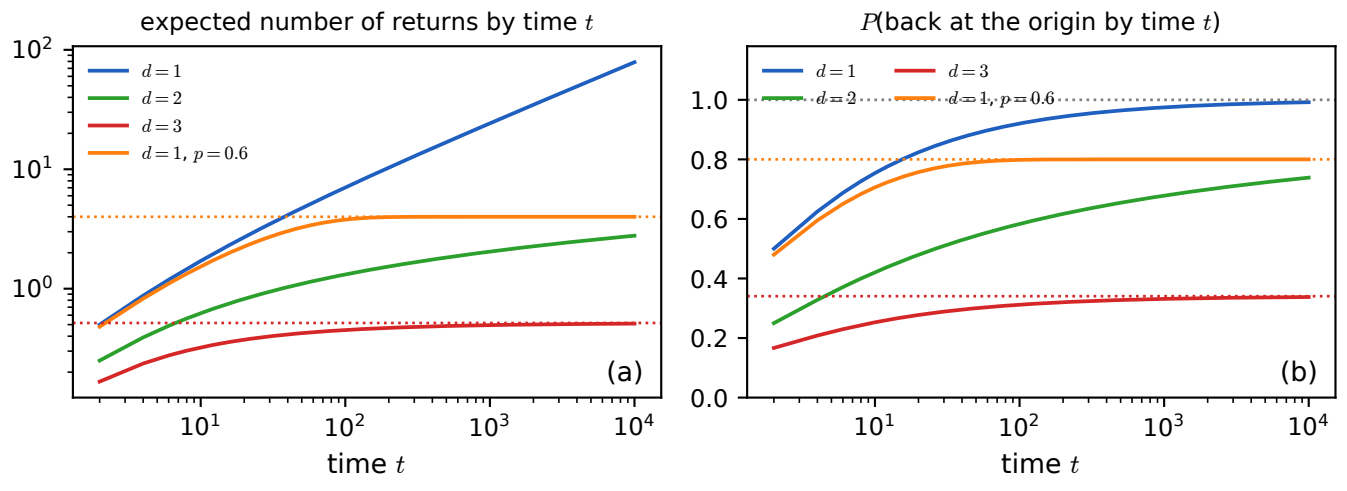

expected number of returns by time t
$d=1$
$d=2$
$d=3$
$d=1,\ p=0.6$
10^2
10^1
10^0
(a)
10^1
10^2
10^3
10^4
time t
P(back at the origin by time t)
$d=1$
$d=3$
$d=2$
$d=1,\ p=0.6$
1.0
0.8
0.6
0.4
0.2
0.0
(b)
10^1
10^2
10^3
10^4
time t