

1 3by3 U=0 longterm trying table

Lattice site positions			
Column number	Row 1	Row 2	Row 3
1	0.328	0.035	0.152
2	0.107	0.133	0.167
3	0.051	0.012	0.016

Table 1: Longterm averages for a 3×3 noninteracting system

2 Comparing RKF and analytic

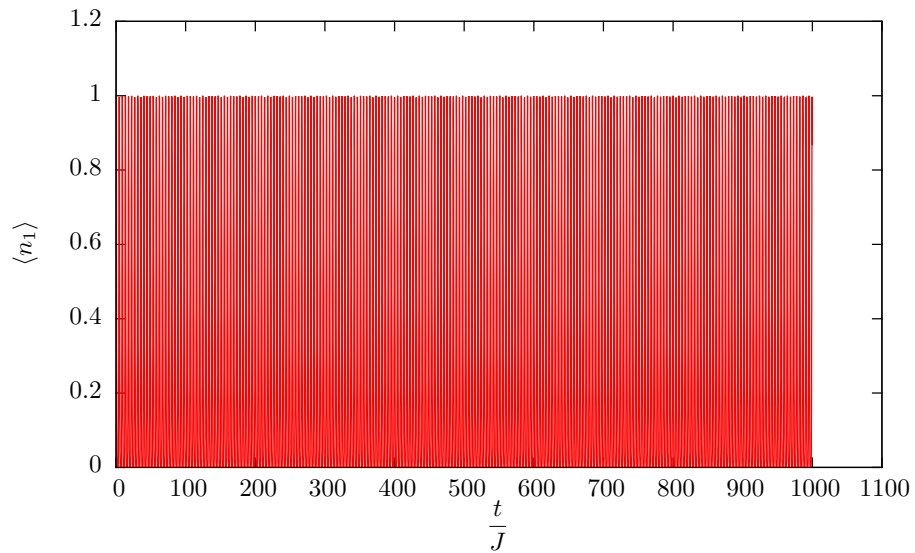


Figure 1: RKF for U=0 case (zoomed out)

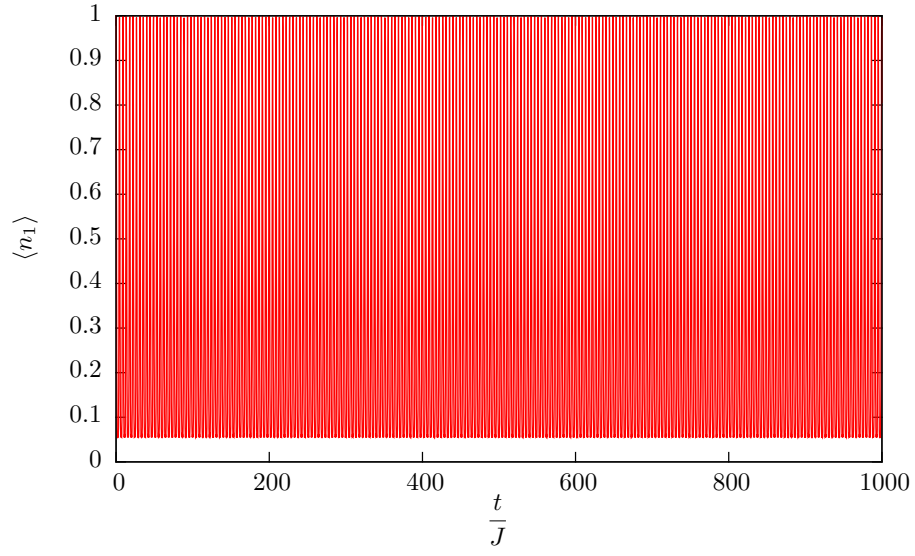


Figure 2: Analytic for $U=0$ case (zoomed out)

Now comparing zoomed in

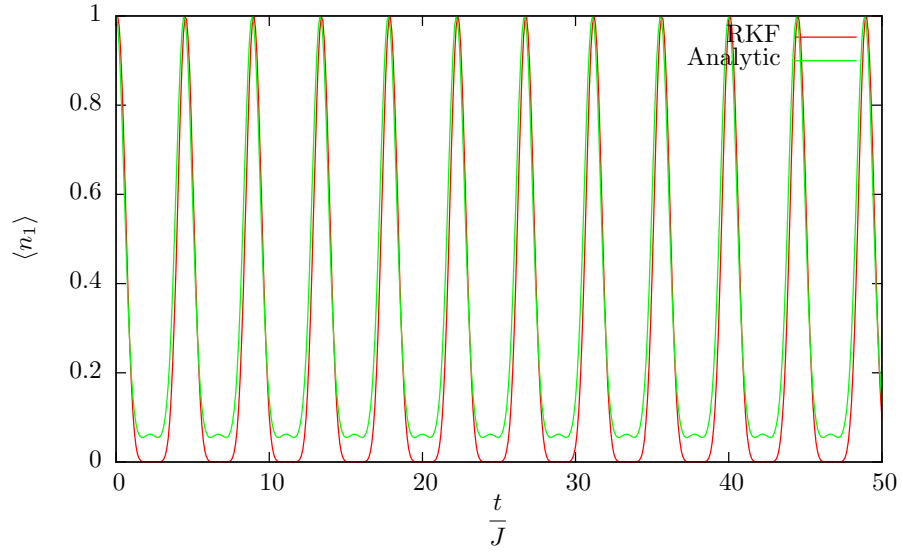


Figure 3: RKF for $U=0$ case (zoomed in)

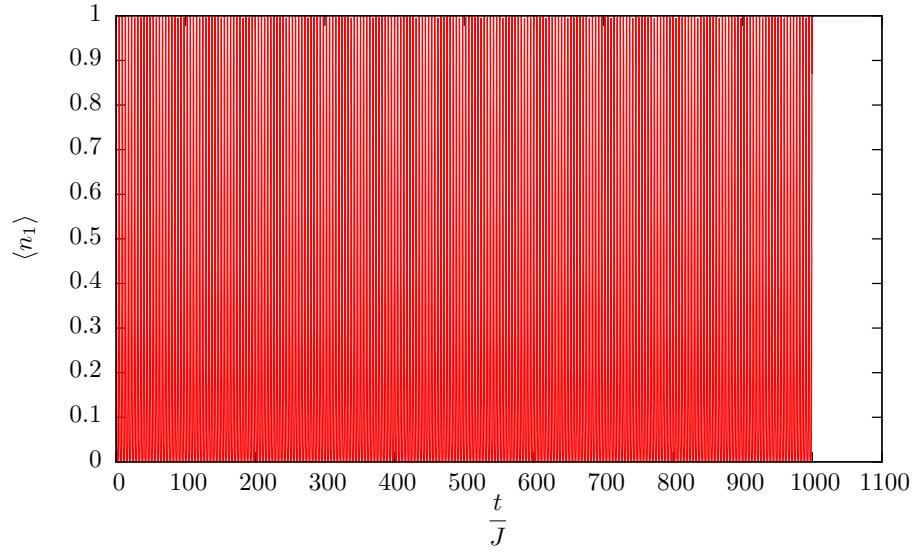


Figure 4: RKF for $U=0.001$ case

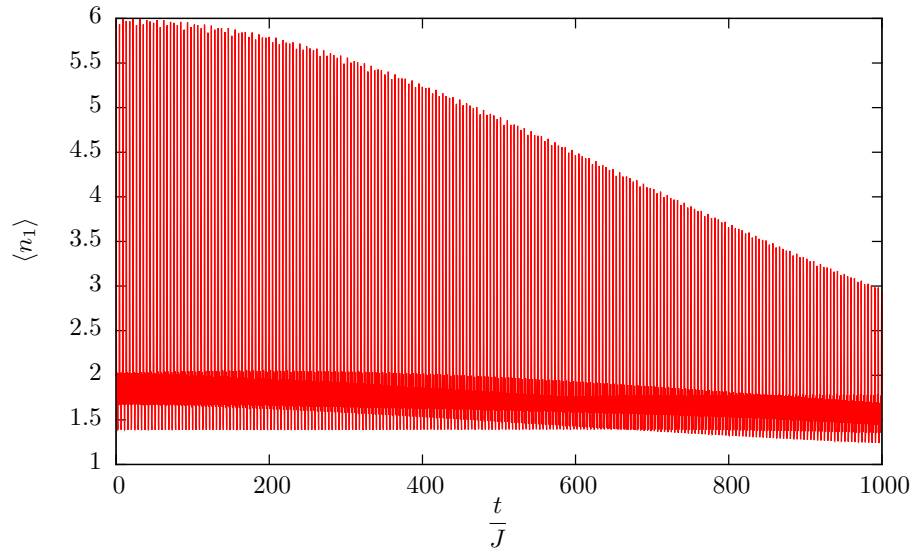


Figure 5: Analytic for $U=0.001$ case

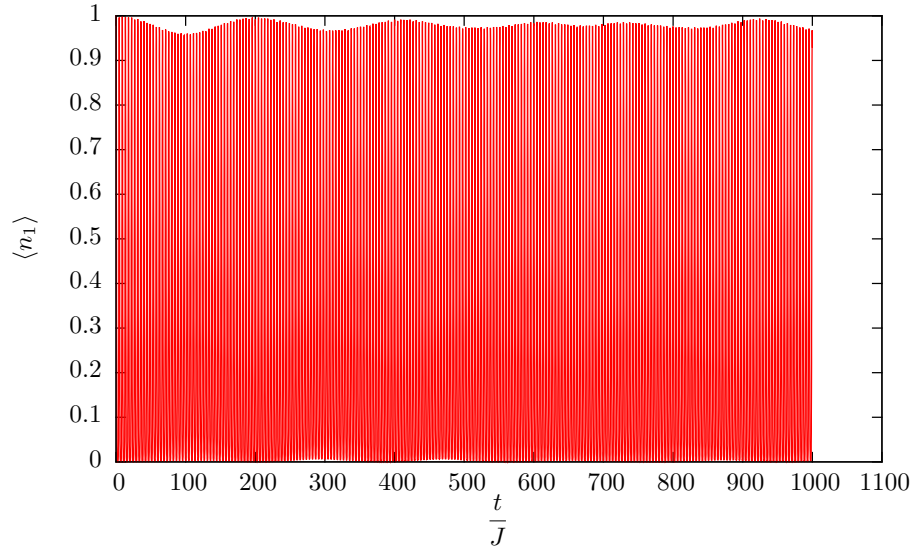


Figure 6: RKF for U=0.1 case

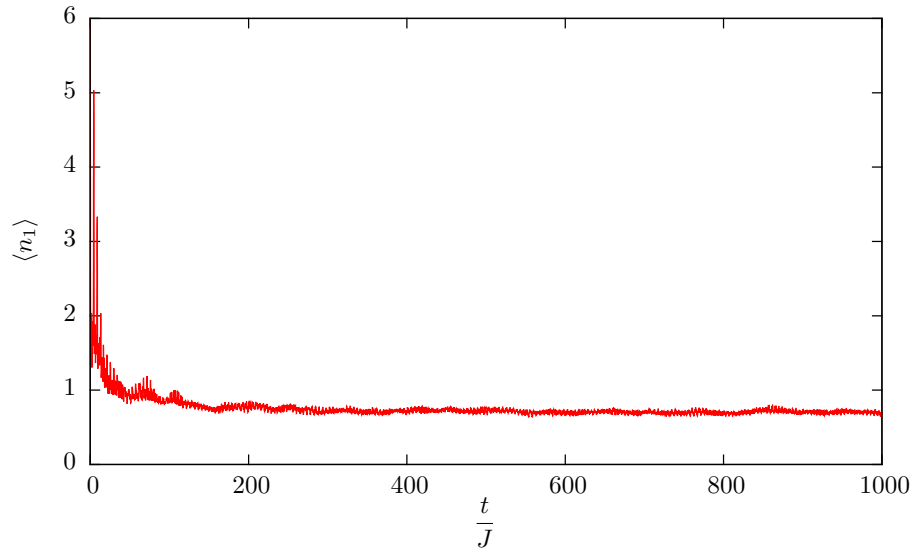


Figure 7: Analytic for U=0.1 case

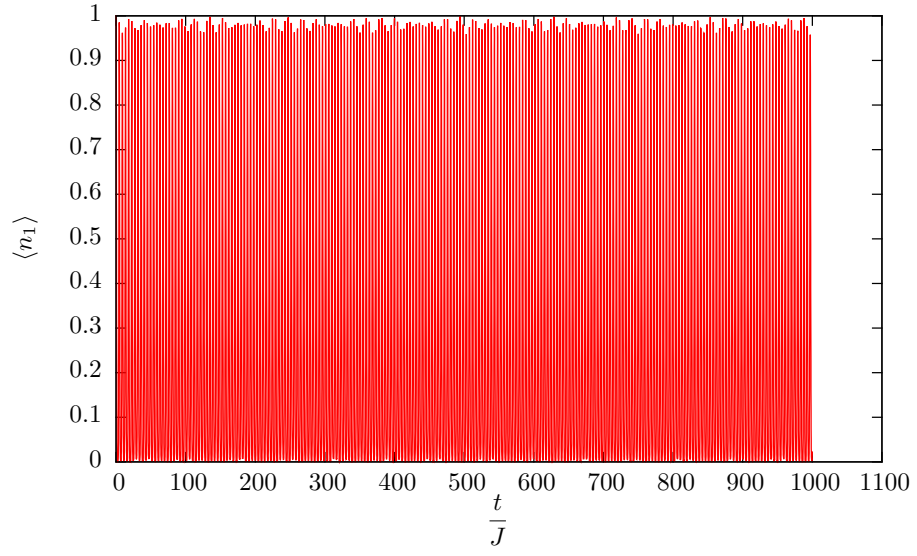


Figure 8: RKF for U=1 case

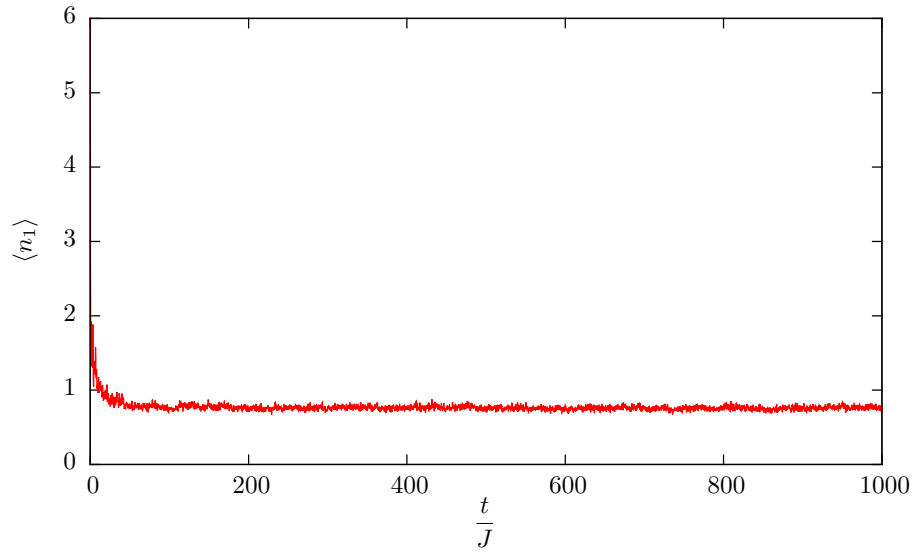


Figure 9: Analytic for U=1 case