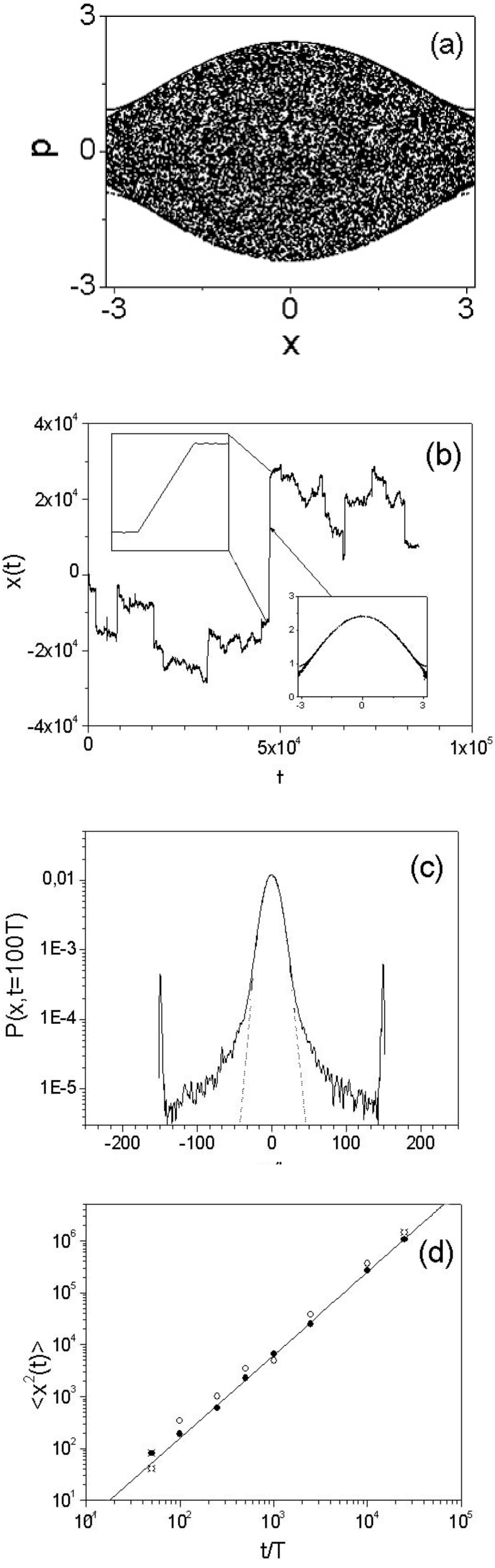

(a)
p
x
3
0
-3
(b)
x(t)
t
4x10^4
2x10^4
-2x10^4
-4x10^4
5x10^4
1x10^5
(c)
P(x, t=100T)
0,01
1E-3
1E-4
1E-5
-200
-100
100
200
(d)
<x^2(t)>
t/T
10^1
10^2
10^3
10^4
10^5
10^6

FIG. 1:

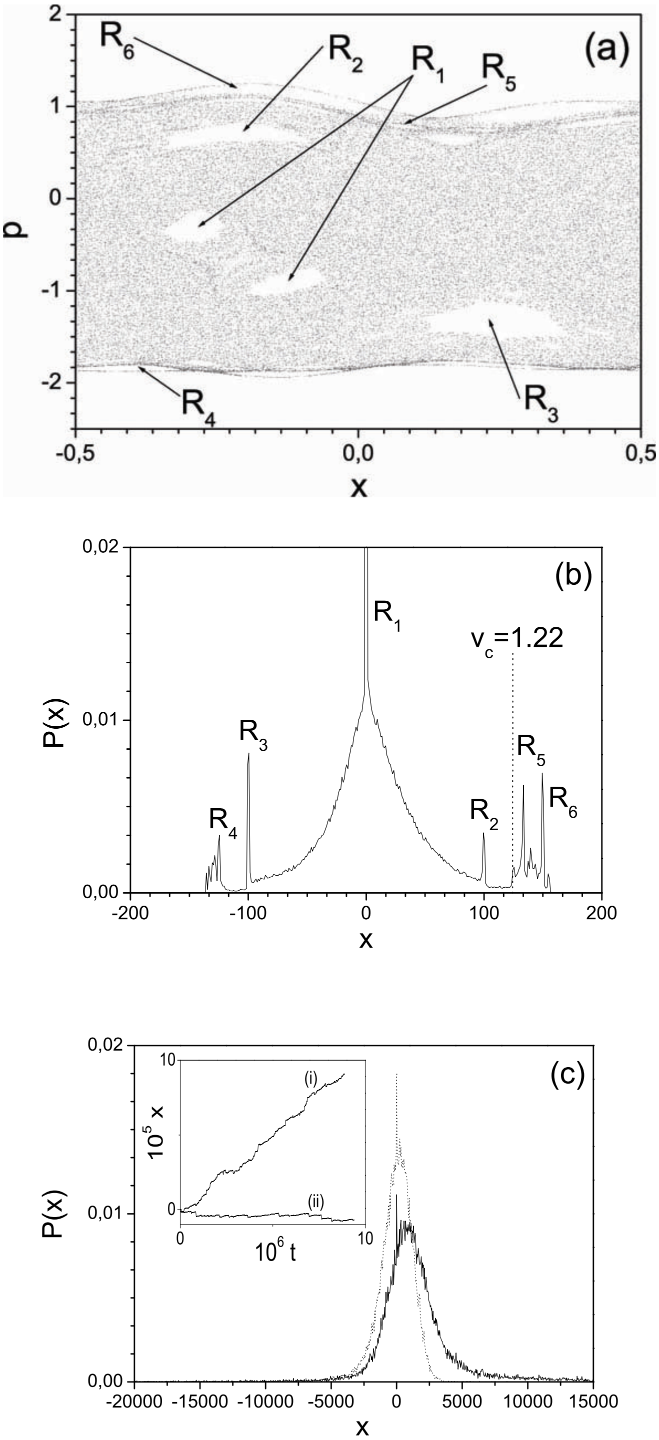

(a)
R6
R2
R1
R5
R3
R4
p
x
(b)
R1
vc=1.22
R3
R4
R2
R5
R6
P(x)
x
(c)
(i)
(ii)
10^5 x
10^6 t
P(x)
x

FIG. 2:

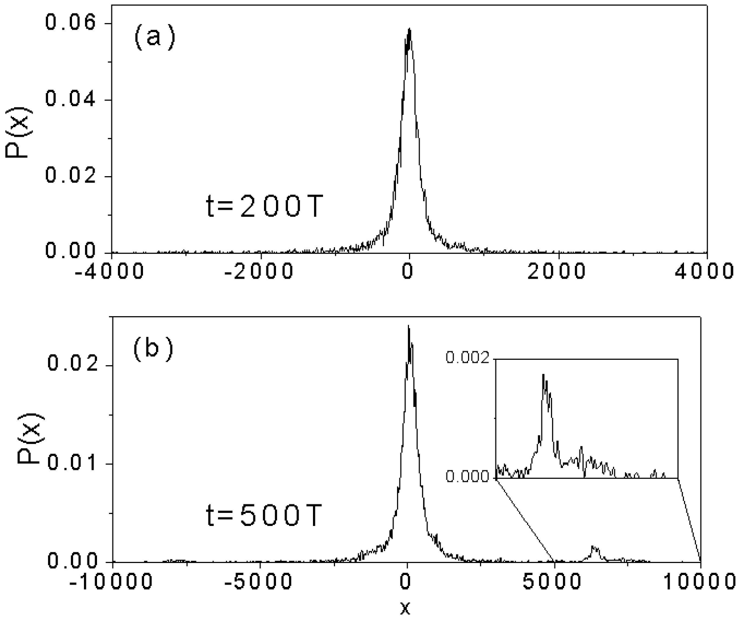
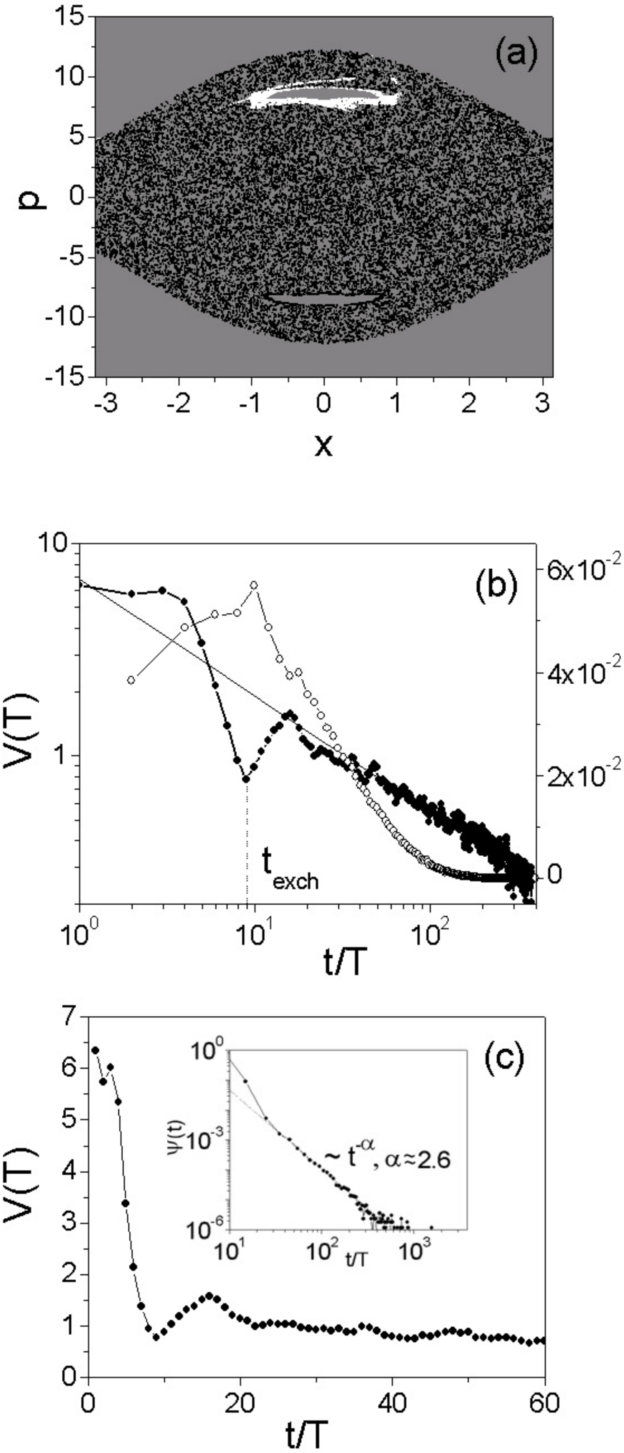

(a)
t=200T
P(x)
0.06
0.04
0.02
0.00
-4000
-2000
0
2000
4000
(b)
t=500T
P(x)
0.02
0.01
0.00
0.002
0.000
-10000
-5000
0
5000
10000
x

FIG. 3:



(a)
p
x
(b)
V(T)
t/T
t_{exch}
$6x10^{-2}$
$4x10^{-2}$
$2x10^{-2}$
0
(c)
V(T)
t/T
Ψ(t)
$\sim t^{-\alpha}$, $\alpha \approx 2.6$

FIG. 4: