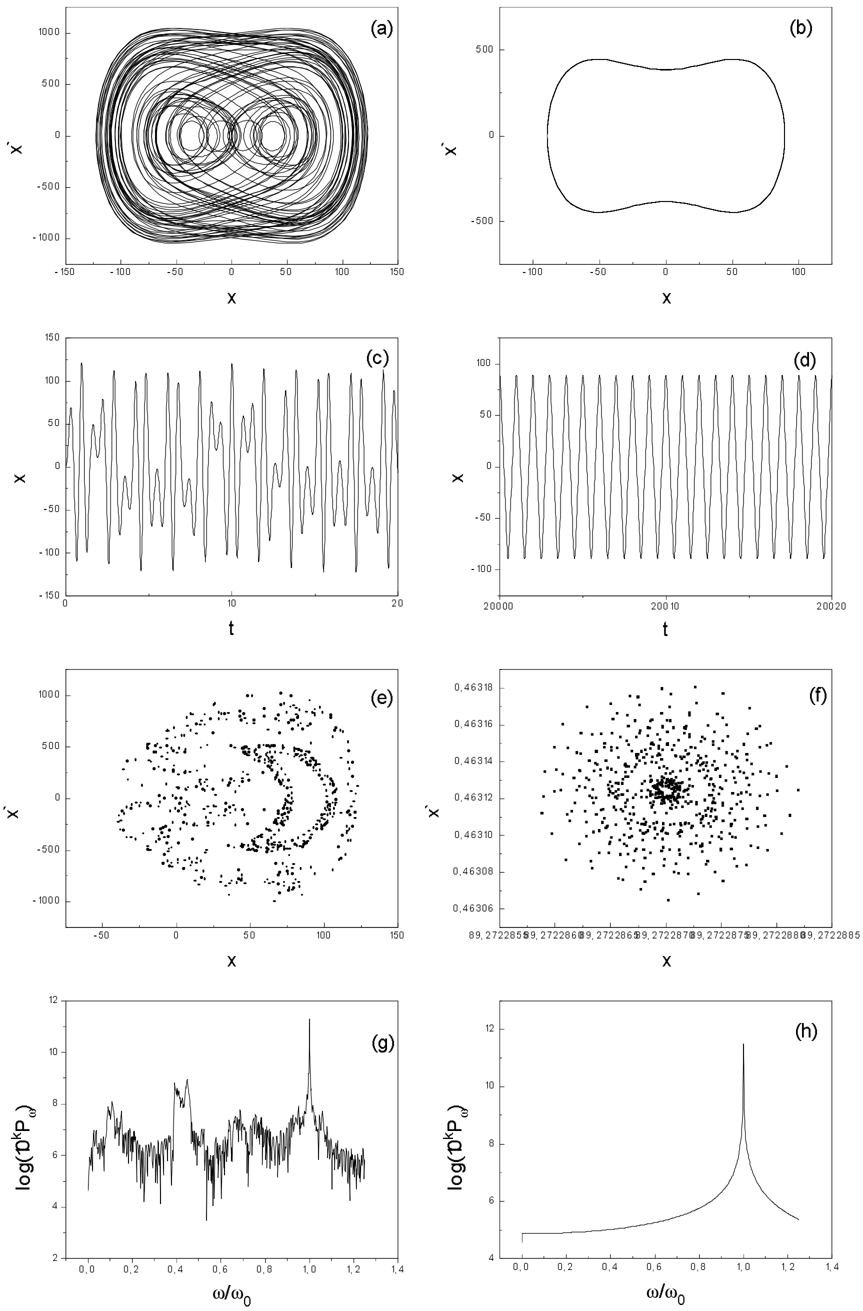
3.Numerical Solution of Robot Equation

-trajectory of motion $x(t)$ →Fig c),d)

-phase curves $x'(x)$ →Fig a), b)

-Poincare sections $x'(nT) - x(nT)$ →Fig.e), f)

-Power spectrum; coordinate domain → frequency domain (obtained through Fast Fourier Transforms) → Fig g), h)



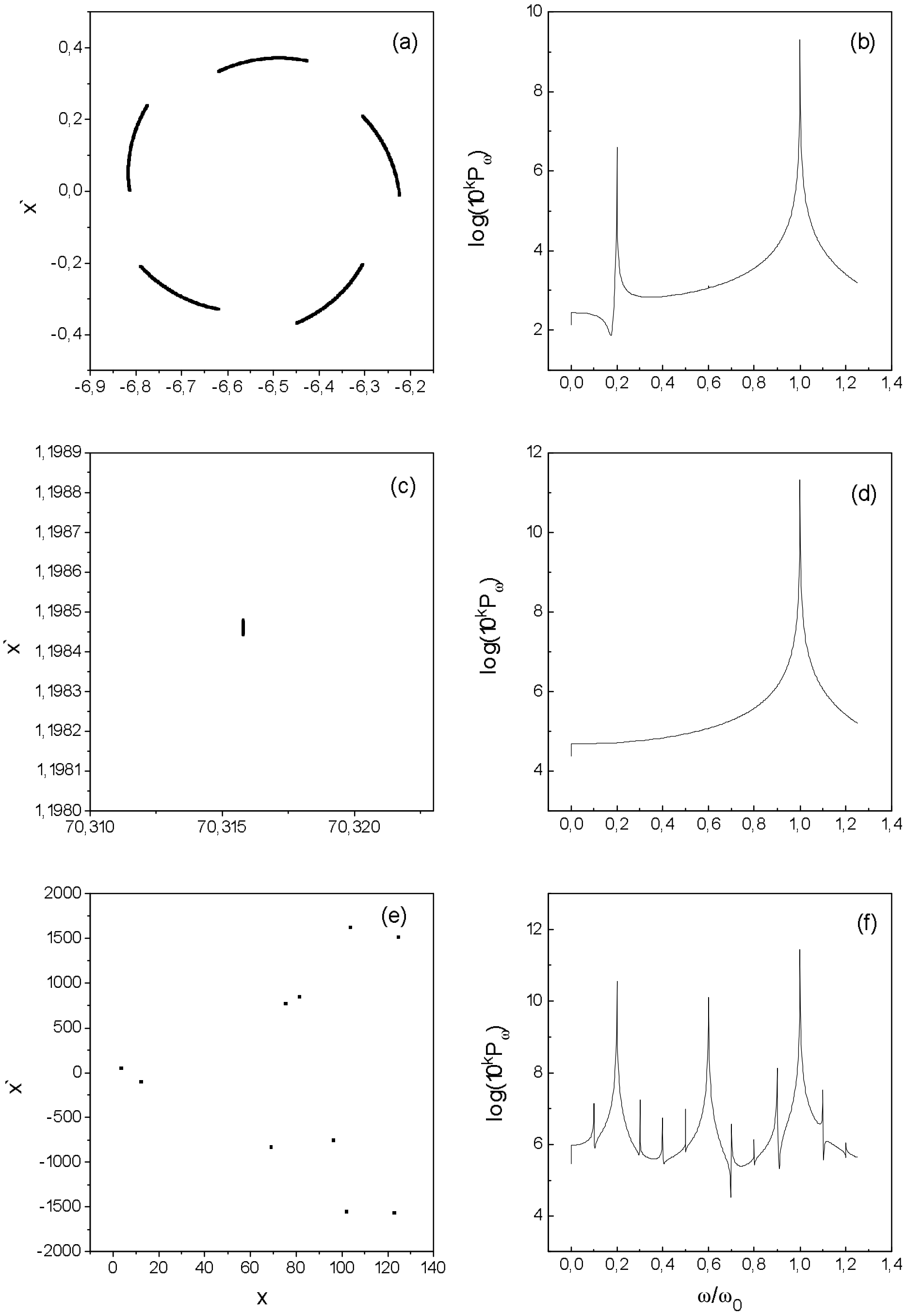


Fig.2. Poincare map (a),(c),(e) and power spectra (b),(d),(f). LogL=1.6 for (a),(b), logL=1.8 for (c), (d), and for (e),(f) LogL=3.2; t=20000-20546.13.