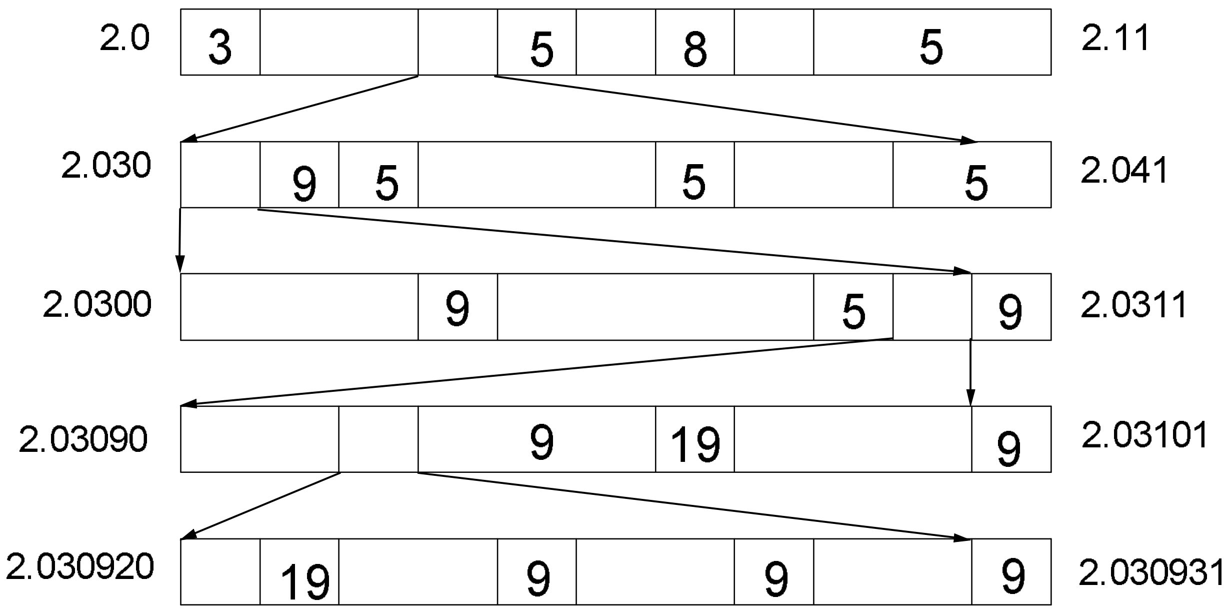

Fig.7. Phase diagram showing the sweep through ω_0 at L=25, and succwssive magnifications of some subintervals. The type of motion at each lattice point on the paremeter grid is indicated in the neighboring square to the right of the position of the corresponding ω_0 value: the label n denotes the period-n frequency locking, and blank space denotes the quasiperiodic solution.

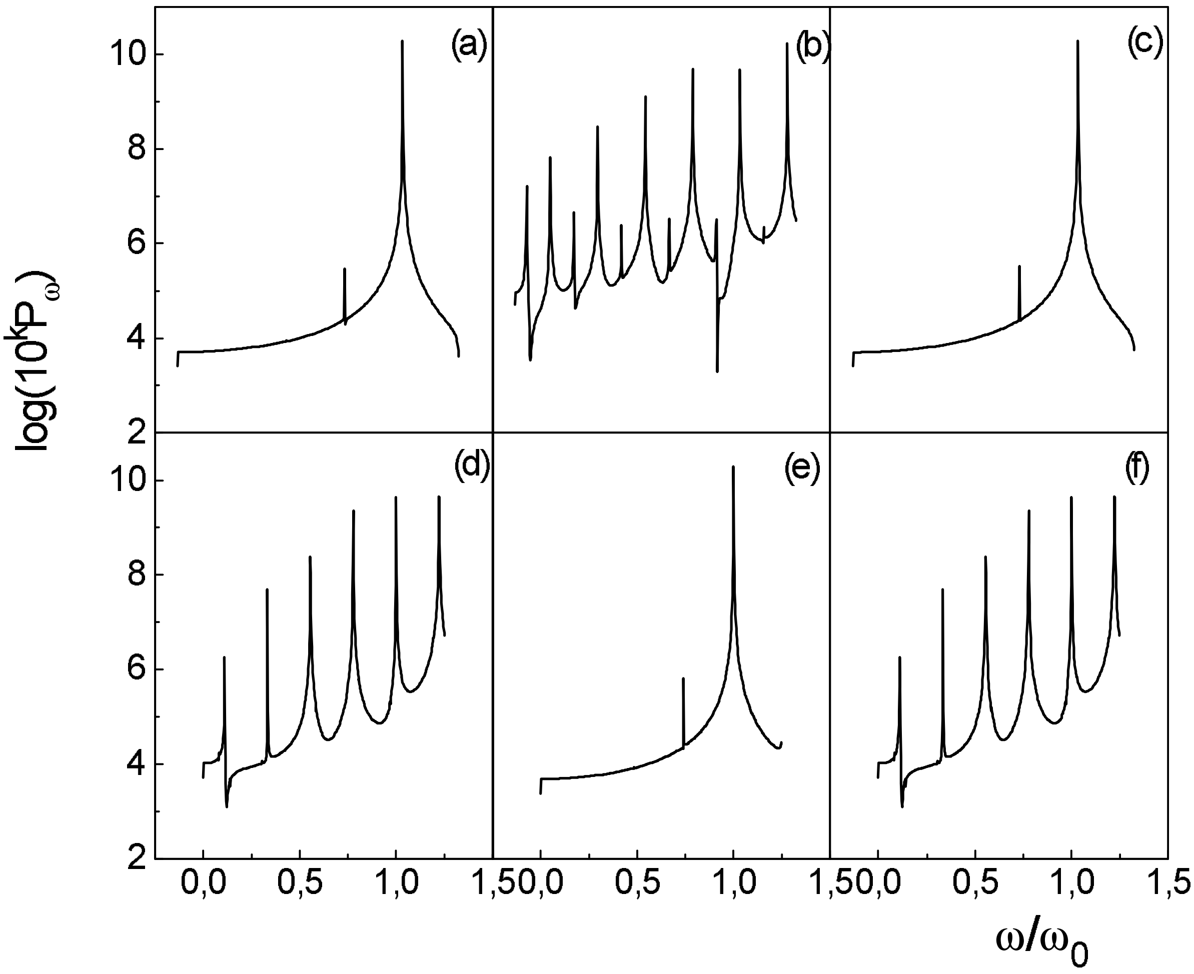

Fig.8 Power spectra associated with some of the narrow windows of periodicity at L=25. (a) ω_0=2.030920 (quasiperiodic); (b) ω_0=2.030921 (period-19); (c) ω_0=2.030922 (quasiperiodic); (d) ω_0=2.030924 (period-9); (e) ω_0=2.030925 (quasiperiodic); (f) ω_0=2.030927 (period-9).

Two types of power spectra associated with frequency locking:

1. Symmetric period-n solutions ($\omega_L, 3\omega_L, 5\omega_L, \ldots$)
2. Nonsymmetric period-n solutions ($0, \omega_L, 2\omega_L, 3\omega_L, \ldots$)