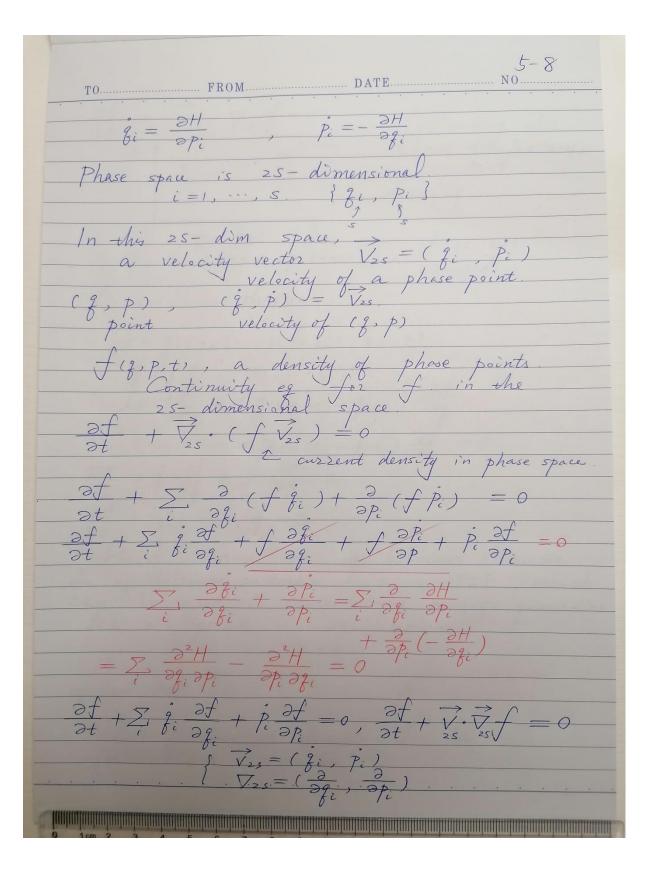
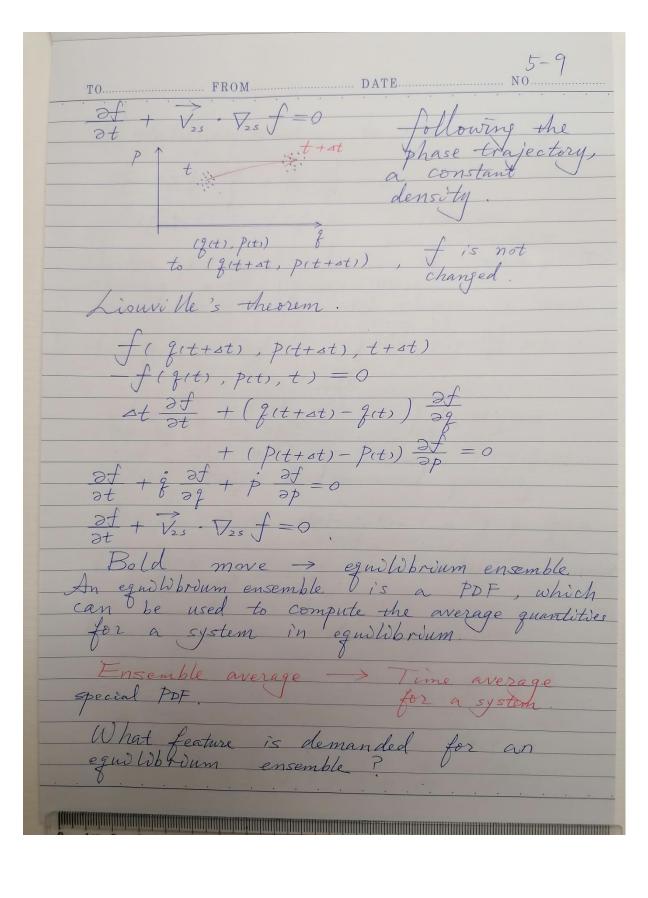


5-7 The microscopic state is described by {qi, Pi}, a phase point in phase (q,p) in the space of q and n an ensemble, every system is by a phase point that moves by a phase point ensemble At time t. a collection of phase points Density of these phase points in These points form a continuum continuum (q,p,t) dqdp = phase points the course of time, each point moves, and hence fig, p,t) evolves. We know the motion of each point. $\dot{q} = \partial H/\partial p$, $\dot{p} = -\partial H/\partial q$. Canonical eq. > evolution of fig, p, t





5-11 fig.p) \sime e \beta H(g,p)

Boltzmann

distribution F=ma, Stationary solution f(q,p), Statistical independence, f(q,p), f(q,p),