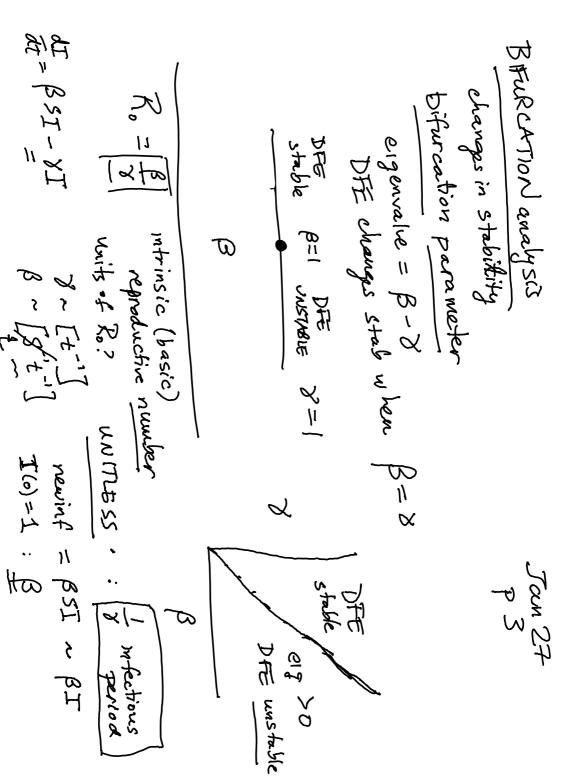
, attractors (equilibria) , bifurcation structure (when does stab of attractors champs?) local /global? stability (Lyap functions) * PHASE PLANTE. La Jacobian, linearization, eng. 2 (4) S (4) S plot eq, quilclines, flow field, trajectories L biologically impossible agnamics don't happen L soll no exist and are unique (Solutions are non-negative and? bounded?)

· mell-posed? (math-biologial)

Jan 27 p 1

depor nonautonomous tools for phase plane analysis: grad = 9x, 3y, 92 g, (x(b), y(b), z(b), phaseR XPPAUT PORCED

Jan 27 P2



rafe of change ROCI THE Stable B=3 week per dispase KODI DFE unstable 7 = 1 week 8 = 1 week generation 78.87 EXPECTED number of new in an otherwise susceptible pop (near the DFE) cases from I infected case ~ × 0 · ~ rate of charge per time

Jan 27