(1)

POD 25: lectures 8-14 review lecture Fonite Différente Solutions 08 - center dof. algorithm - Neumann stability eviteria lecture Boundary Layer solutions
09 - Morgan's theorem / Affine Stretching - Scalong of BL - Canonical form - Solving ODE as system of 1st order - shooting wethod Lecture Pergodic Heating / Penetvation Depth 10 - oscillatory forcing problems P129-142 - penetration lepth from scalong - solve linear problem Vsa continuation in complex plane Lecture Convective Heat Transfer 11 - Devovation of Convective Transport Egin p. 143-158 - Scaling of convective terms - Loft in direction of conv. is small - Introduce Nusselt-Graefzproblen

Lecture Graetz - Nusselt Problem 12 - Heat transfer coef for wall let flax prof - practice w asymp sol'n & SL problems Lecture Nusself Number Correlations 13 + Ht transf. cov. for pape flow p. 181-197 - analogies between energy buron transf.
- ht exch analysis for double-pipe htext. - sizing of aht. exch - overall ht transf. coef. Lecture Nusself Number Cor. For external flows 14 - Forced conv. Cor (whittaker) p. 198-213 - Scalong w/ Re, Pr - Free conv. cor. (churchall) - Scaling w/ Ra, Pr