POD 24 : Lecture Summaries

- how cond. is det forgas es, liquids, solds

 cond of metals melec. cond

 parallel be tween mass, morr, energy flyx

 concept of ht flux
 - 7) one-D ht cond on solids
 -deriv. of egin
 -parallel w/ mom transp in unider flow
 -cond in a slab
 continuous t & ht flux at int.
 overall ht trans coef (resist. in swies)
 - 3) Ht trans. w/ gen.
 -ht trans in cyl geom
 -parallel between T in wire Pois. flow
 -ext. Lt transf. from heated sphere
 Stokes paradox
 - 4) Cooling fons & ht trans coef.
 correlations for ext ht transf
 scaling w/ Re, Pr

- 5) Nusself & Biot & Quenching of a sph. -lumped cap model - ext & internal resist. - sep. var. sol'ns
- 6) SL & Start up of heated slab

 -general form of SL problems

 => subtract as ymp. Sola to vender

 BC homog!

 what you want to know

 asymp, (ead eig, lead for, everything
- 7) Matrix methods / num. solns
 how to solve problems numerically
 if no analytic sol'n exists
 get the answer!