Final	Exam new topics	list (since Mid2). Brust 8/29/06
Chapter	concept / theory	tasks
5.3	Diagonalization eg. of a similarity francformation Algobraic us. geometric multiplicity.	diagonalize any square rentitive lety finding eigenla le cigures) or show it's not diagonalizable.
4.9	Markov chains, stochustr austrix régular stoch matrix, convagence	
5.6	Dynamord systems., attractors, repettors, saddle prints.	get $A^k = PD^k P^{-1}$ from diagonalizing A categorize the origin's stability, sketch trajectore
6-1	Orthogonality, pythagors. 4 fundamented space, (Row A) = NalA.	check it vector in W4
6.2	Projection outhogonal matrix. U.	project is onto. Spr. ? oi?
6.3	Orthog. porjections. Orthog. Decomp. Thun Rest Approx. Thus	project $\vec{y}$ out $W$ , given orthogonal Dasis. $\hat{y} = UU^{\dagger}\vec{y}$ .
7.1	Symmetric mutities.  Orthogonal lig- Spectral Thm.	orthogonally diagonalize (even it algebraic untr. = 2) a 2×2 or 3×3 matrio.
6.5	Const Squares.	solve for &, & given meons. Ax= b.