

a) misalingnment King Von - con - co p= (Ruta). com CINJ = (1-40) CIN-17 + M (p-Ru-CIN-17) 1-Ca ECM - = - (1-11-0) · CEM-1] - Ca - (1-11-0) · Ca + (1-11-0) · Ca + 11 (12-Bi · CEM) // Bi VINI = (1-100) VIN-17 - 80 + 20 - 40 - 00 + 10 (Pre-co-+0 co- Par-cin-17) VINT = (1-40) · VIN-17 - 1/2 00 + 1/2 00 + 11. Bur (-VIN-15) V[n] = (1-10) V[n-1] - M. Rxx V[n-1] VENJ = (1-40). I - 4. Rx ) - VEN-13 / VEN-13 / VENJ = [(1-40). I-W. Ru] - VEO] d) ckeoupling VENT = [(1-10).]-1. Ray. VEN-17 = Eigen decomposition: Rx = Q.1. Q" Q. unitary matrix ; Q= gt // configurationle matrix, NICHT end untite ? A diagonal motive considing of eigenvalue; A = diag (1, 12, 1, 100) 110" all = 0" a . a = a" I a = lall 2 110 medicin ches not scale rector, it only Von = [(1-10) I-10 Q. 1 947 - VIN-17 QH . form ledt Q" V[n] = (1-11.0). Q". V[n-1) - Q". 1. Q". 1. Q" V[n-1] Ven) = (1-11-0) · Ven-13 - 11. 0 9 -1. Ven-13 VENT = [1-40] VEN-17 - M. N. V. En-17 // clocapeles Min] = (1-4.4) · V/11-17 - 1. 1. VI e) Von - [(1-4-4)-I-4-1]-Von-17 = Illia -[(1-wa)]- [(1-wa)-I-w-1]. Von-2] Vim=[1-wo]. I-w. 1] Vito] Il What is meant by find an expression f) ossemption a influences conveyence time VILM = [(1-10) - 11/1] - VILOT [Vich] 1- 1(1-10) - 11 lif - 1vicos/ 1/vichi = 0 for n-> 0 exponential decay: (eti) Lo 1(1-40) - u. xil" = 1etil 11e>0 tr et = 1(1-10)-11-11 /1n - 2 (n(e) = N (n1(1-10)-11. lil ti = - Th 1(1-11-0)-11-11 / convergence time can be ruly changed

if I are different => Ti 1: Wo changing the etcp size (or eigenval

different for each companied) Wo charging the step size (or eigenvalue)