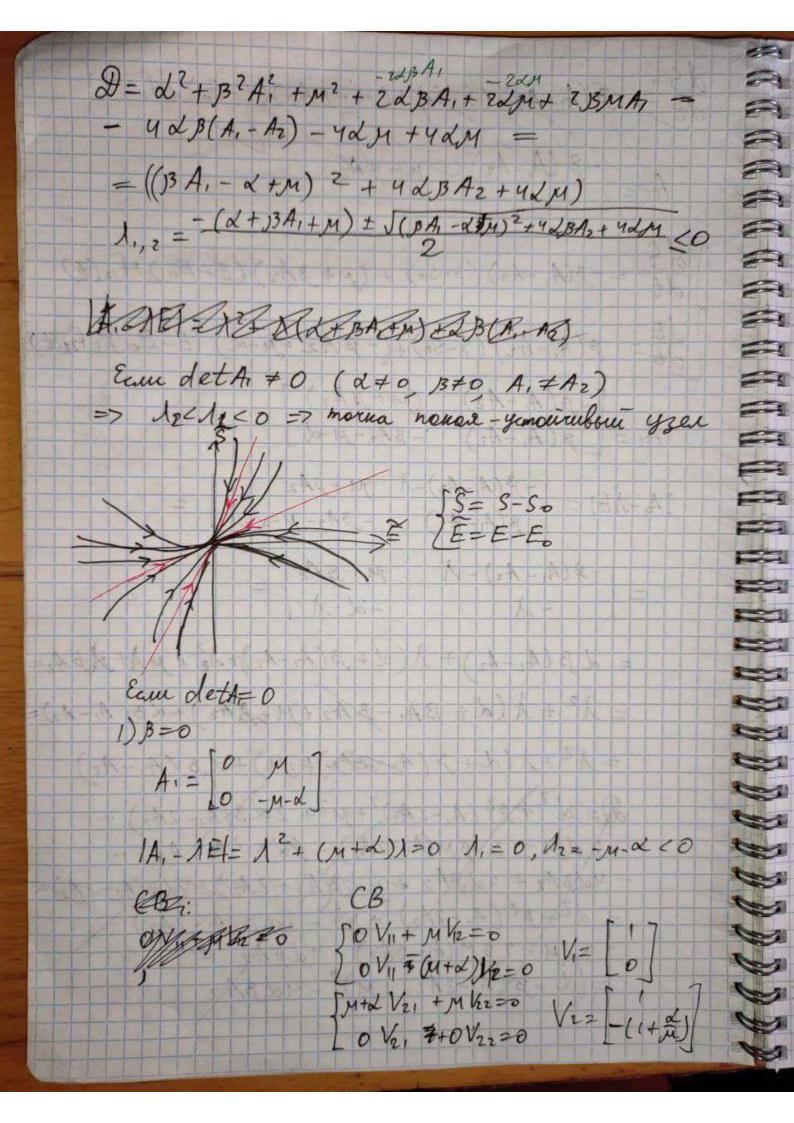
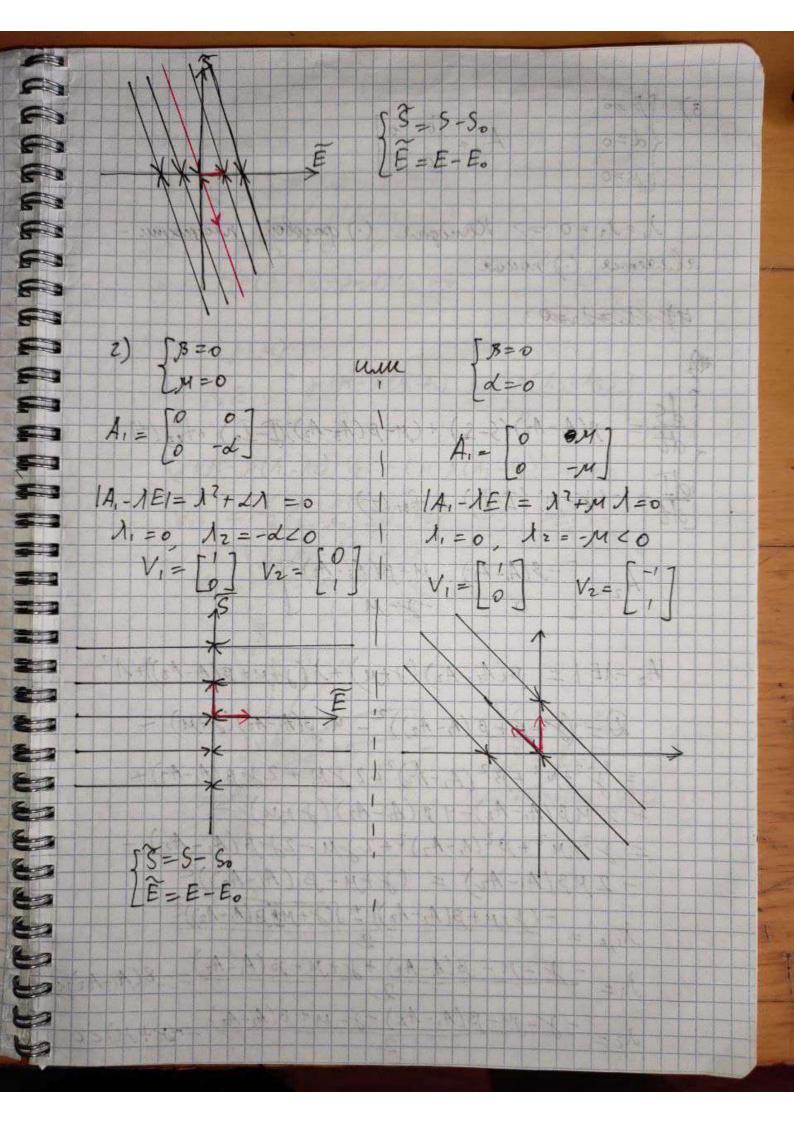
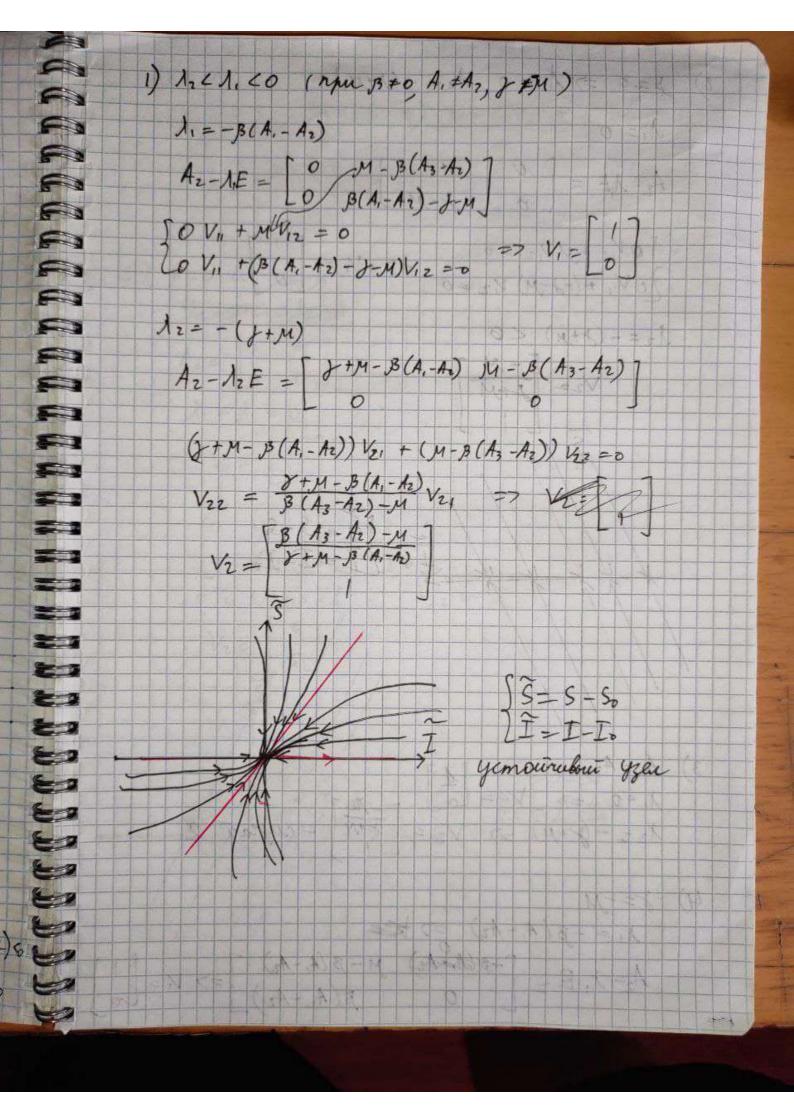


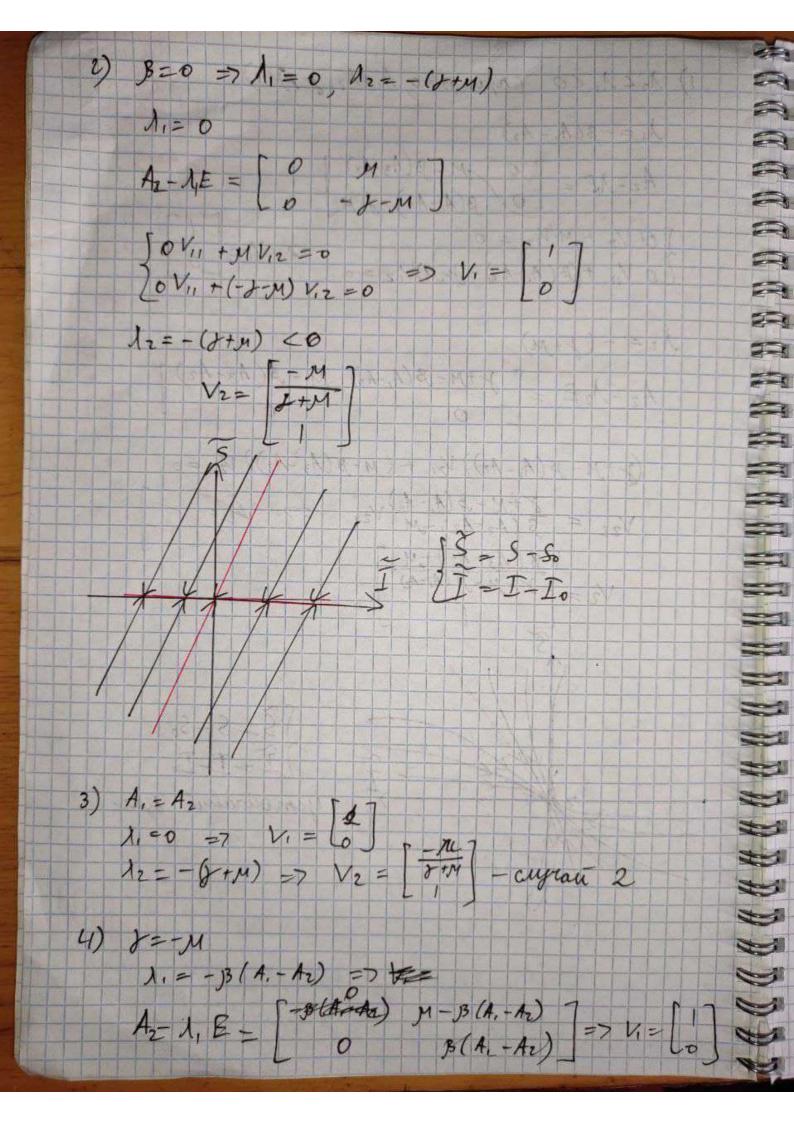
B(A1-A2) (5-So) + (M+BAZ) (E-E0) +4. (+) = A = - 13 (A, - A2) (M+ 13 A2 6 dS dt = -8(A, -A2) (5-50) + (M+ BA2) (E-E0) +fra(E) dE - 13(A,-A2)(5-So)+(-13A2-M-L)(E-Eo)+Fult) 8-1 $A_1 = \begin{bmatrix} -\beta(A_1 - A_2) & (\beta u + \beta A_2) \\ \beta(A_1 - A_2) & -\beta A_2 - \mu - \lambda \end{bmatrix}$ 2 1 $|A_1 - \lambda E| = \begin{vmatrix} -j^3(A_1 - A_2) - \lambda & ju + \beta A_2 \\ -j^3(A_1 - A_2) & -j^3 A_2 - \mu - \lambda - \lambda \end{vmatrix}$ 2 1 -3(A,-Az)-A ju+3Az | -2 -2-1 2 1 = LB(A,-Az) + X(d+ B(A,-Az))+1=+M1+ ABAz= 2 7 = 12 + 1 (d + 13 A, - BAZ + M + BAZ) + &B(A-AZ) = 2 2 = 12+1(d+B(A-22)+yu)+dB(A,-Az) 2 20 &= 2 + 32 (A, -2 A) 2+ 112+ 223(A, -2A2) --2dy-23M(A, -2A) - 423 (A, -A2) -20 60 6 6 = (d-B(A,-2A2)=X1)2-42BA2

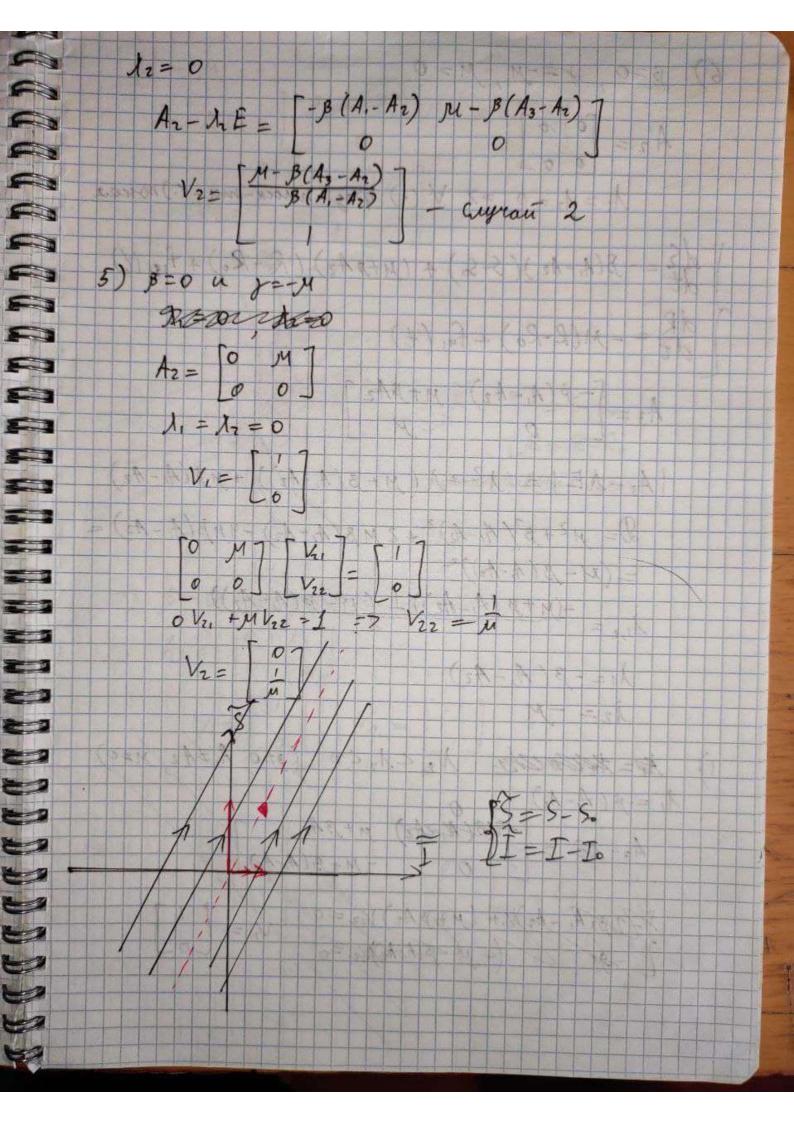




A,= 0 0 {d=0 M=0 1,=12=0=> Kanigal (.) pazobou michani abilemas (.) nouse 49 Cha 1200 = -)3(A, - Az)(5-5) + (M-B(A3-Az))(I-Io) + feg (t) dI = - (x+,u) (I-Io) + f = (t) A2-[-B(A,-A2) M-B(A3-A2)] A2-AE1= B(A1-A2)(J+M)+1(J+M+B(A-A2))+12 -D= (x+M+B(A,-A2))2-4 B(A,-A2)(x+u)= 1 = } ? + 142 + 132 (A, -A2)2 + 2 & M + 2 & B (A, -A2) + 1 + 2 MB(A,-Az)-4 B(A,-Az)(J+M) = 1 = } 2+M2+132(A,-Az)2+2JM-2JB(A,-Az)- $= \int_{-2}^{2} \int_{-2}^{2} (A_{1} - A_{2}) = (\int_{-2}^{2} + M + J_{3}(A_{1} - A_{2}))^{2}$ $\int_{-2}^{2} - (\int_{-2}^{2} + M + J_{3}(A_{1} - A_{2})) = \int_{-2}^{2} (J_{1} + J_{2})^{2}$ $\int_{-2}^{2} - J_{2}^{2} - J_{2}^{2} - J_{2}^{2} + J_{2}^{$ 0







4 6) BZO, Y=-M, M=0 A A2 = [0 0] 1=12=0 => V (.) graz. nuock-mu-(.) nonea 9 d5 = -8(A,-Az)(5-50) + (M+AZ) (R-Ro) + fig (6) dR = - M(R-Ro) + fu, (t) == $A_3 = \begin{bmatrix} -\beta(A_1 - A_2) & \mu + \beta A_2 \\ 0 & -\mu \end{bmatrix}$ COMPANY AND A 1 A3- NE 1 = 12+1 (M+B(A,-A2)) + MB(A,-A2) D= 12+32(A,-A2)2+2MB(A,-A2)-4MB(A,-A2)= = (M-13(A,-A=))2 1,2 = -(M+B(A,-A2)) ± (M-B(A,-A2)) $\lambda_1 = -\beta (A, -A_2)$ $\lambda_2 = -\mu$ X= XCOCK 12 < 1, CO (\$ ±0, A, £42, M±0) 2 2 8-23(A, -A)V,+ (M+3)A2)Viz=0 V, - [1] 2 2 3 5 0 13

