Problem 10: SET 3.19: KDES for Pias

$$\beta_1 = \frac{C_{23}}{4\beta_0} - \frac{C_{32}}{4\beta_0}$$

[6]=[3][6]

$$\beta_{1} = \frac{C_{23}}{4\beta_{0}} - \frac{C_{32}}{4\beta_{0}} = -\frac{C_{31}\omega_{3}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{32}}{4\beta_{0}} + \frac{C_{23}-C_{23}}{4\beta_{0}} + \frac{C_{23}-C_{23}}{4\beta_{0}}$$

+2 B. B3 W3

Problem 11: 36J 3,20

$$\vec{q} = \begin{pmatrix} \vec{B_1} & \vec{B_2} & \vec{B_3} \\ \vec{B_0} & \vec{B_0} & \vec{B_0} \end{pmatrix}^{T}$$

Problem 12:50 J 3,24

$$\vec{\delta} = \begin{pmatrix} B_1 & B_2 & B_3 \\ 1 + B_0 & 1 + B_0 & 1 + B_0 \end{pmatrix}$$

$$\beta_{0} = \frac{1 - \sigma^{2}}{1 + \sigma^{2}} = \frac{1 - \frac{B_{1}^{2} + \beta_{0}^{2} + \beta_{3}^{2}}{(1 + \beta_{0})^{2}} - \frac{1 - \frac{1 - \beta_{0}^{2}}{(1 + \beta_{0})^{2}}}{1 + \frac{1 - \beta_{0}^{2}}{(1 + \beta_{0})^{2}}} - \frac{1 - \frac{(1 - \beta_{0})(1 + \beta_{0})}{(1 + \beta_{0})^{2}}}{1 + \frac{(1 - \beta_{0})(1 + \beta_{0})}{(1 + \beta_{0})^{2}}}$$

$$\beta_{0} = 1 - \frac{(1+\beta_{0})(-1)}{1+\beta_{0}} = \frac{2}{1+1} - \frac{2}{1+\beta_{0}} = \frac{21}{1+\beta_{0}}$$

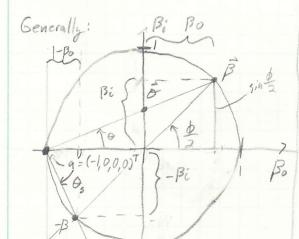
$$1 + \frac{(1+\beta_{0})(-1)}{1+\beta_{0}} + \frac{2}{1+\beta_{0}} = \frac{1+1 - \frac{2}{1+\beta_{0}}}{1+\beta_{0}} = \frac{21}{1+\beta_{0}}$$

$$1 + \frac{2}{1+\beta_{0}} + \frac{2}{1+\beta_{0}} = \frac{21}{1+\beta_{0}}$$

$$\beta_i' = \frac{2\sigma_i}{1+\sigma^2} = \frac{2 \cdot \frac{\beta_i}{1+\beta_0}}{2} = \frac{\beta_i'}{1+\beta_0}$$

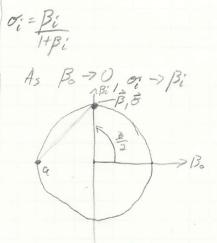
$$from \beta_0 derivation$$

Problem 13: 565 3,26



$$\tan\theta = \frac{\partial i}{1} = \frac{Bi}{1 + Bo}$$

$$\tan \theta_s = \frac{\sigma_i^s}{1 - \beta_o} = -\frac{\beta_i}{1 - \beta_o}$$



As Po-7/ Bi -> 0 and therefor of -> 0

projection

projection

a

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a

projection

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