

Corrections to the PhD thesis of Audun Faanes

Page 114, eq. (5.45) – (5.47): A_k shall be replaced with A_K .

Page 116-117:

eq. (5.59) shall be changed to

$$u_s = (I - K_u)^{-1} K \hat{x}_s + (I - K_u)^{-1} K_d \hat{d}_s + (I - K_u)^{-1} K_r r$$

eq. (5.60) shall be

$$\begin{aligned} (I - (I - L_x C^m) (A - B(I - K_u)^{-1} K)) \hat{x}_s = & (I - L_x C^m) (B(I - K_u)^{-1} K_d + E_d) \hat{d}_s \\ & + (I - L_x C^m) B(I - K_u)^{-1} K_r r + L_x y_s^m \end{aligned}$$

eq. (5.61) shall be changed to

$$M_1 = (I - M_2 (A - M_3 K))^{-1}$$

eq. (5.63) shall be changed to

$$M_3 = B(I - K_u)^{-1}$$

Page 118

Paragraph after eq. (5.69):

Two places: Reference to eq. (5.39) shall be replaced with reference to eq. (5.53)

eq. (5.70): C^m shall be replaced with C'^m

$$x_{k+1} = (A' + B' D_K C'^m) x_k + \text{etc.}$$