

Errata

P.S.C. Heuberger, P.M.J. Van den Hof and B. Wahlberg (Eds.)
 Modelling and Identification with Rational Orthogonal Basis Functions
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Page:

- 20** Line 2, $|G_b(e^{i\omega})| = 1$ should read: $|G_b(e^{i\omega})| = 1$.
- 35** Subsection 2.6.2, Line 8, $N_0(k) = D_0(k) = 1$ should read: $N_0(z) = D_0(z) = 1$.
- 35** Equation (3.36) should read: $V_1^T(z_i)V_1(1/z_j) = \frac{G_b(z_i)G_b(1/z_j)-1}{1-z_i z_j} = 0$.
- 63** In the equation above (4.2), $[1 - H_0(q)]^{-1}$ should be replaced by $[1 - H_0(q)]^{-1}$.
- 63** In equation (4.2), $[1 - H(q, \theta)]^{-1}$ should be replaced by $[1 - H(q, \theta)]^{-1}$.
- 67** Line 3, $(1 - H(q, \theta))^{-1}$ should be replaced by $(1 - H(q, \theta))^{-1}$.
- 67** In the equation preceding (4.10), $[1 - H(q, \theta)]^{-1}$ should be replaced by $[1 - H(q, \theta)]^{-1}$.
- 67** In three equations the summation $\sum_{k=1}^{n_b}$ should be replaced by $\sum_{k=0}^{n_b}$.
- 73** In equation (4.21), Φ_N^T should be replaced by Φ_N .
- 74** Equation (4.22) should be replaced by $E\{\widehat{\theta}_N\} = \theta_0 + E\{[\frac{1}{N}\Phi_N^T\Phi_N]^{-1}\frac{1}{N}\Phi_N^T W_N\}$
- 74** In Equation (4.25) the expression $\sigma_e^2 \cdot R_\star$ has to be read: $\frac{\sigma_e^2}{N} \cdot R_\star^{-1}$.
 In the same equation, in the expression for R_\star the expected value E should be removed.
- 78** Line 5, Φ should be replaced by Φ_u .
- 79** In Equation (4.38) $R(n)$ should be replaced by R_n .
- 80** Middle of the page, in the equation θ_e should be replaced by $-\theta_e$.
- 83** Equation (4.47) should read: $\rho := \max_j \prod_{k=1}^n \left| \frac{p_j^0 - \xi_k}{1 - p_j^0 \xi_k^*} \right|$.

- 85** In the equation in the middle of the page, Γ^* should be replaced by Γ^* .
- 88** Equation (4.53), the expression on the left side of the arrow should read $\text{Var}\{G(e^{i\omega}, \hat{\theta}_N)\}$.
- 89** Equation (4.54), the expression on the left side of the arrow should read $\text{Var}\{G(e^{i\omega}, \hat{\theta}_N)\}$.
- 94** Equation (4.71), K_1, K_1 should be replaced by K_1, K_2 and similarly for F_1 .
- 95** Last line -1, $D_n(q)$ should be replaced by $D_n(q^{-1})$.
- 96** Equations (4.74) and (4.77), $\text{Var}\{\hat{G}(e^{i\omega})\}$ should be $\text{Var}\{\hat{G}(e^{i\omega})\}$.
- 100** Line 8, σ_v^2 should be replaced by σ^2 .
- 101** In the equation in the middle of the page, the left hand side should be replaced by $\varepsilon(t, \theta)$, and on the right hand side $u(t)$ should be replaced by $u(t)$. In the line of text following the equation, “linear” should be replaced by “affine”.
- 270** The equation in the middle, should read: $\Omega \subset \{z \in \mathbb{C} \mid \prod_{i=1}^{n_b} \left| \frac{z - \xi_i}{1 - \xi_i^* z} \right| \leq \rho\}$.
- 346** In item 5, in line nr. 4, $M_\tau = \llbracket V_1(z)G_b^T(z), V_1(z)(P_i V_1(z) + Q_i V_2(z)) \rrbracket$
should read $M_\tau = \llbracket V_1(z)G_b^T(z), P_i V_1(z) + Q_i V_2(z) \rrbracket$.
- 348** In Prop. 12.5, Eq. (12.22), $g(k)$ should be replaced by g_k .
- 351** In Prop. 12.9, line 3, “controllability Gramian \tilde{X}_o ” should be replaced by “controllability Gramian \tilde{X}_c ”.
- 352** In Prop. 12.10,
line 7, X_0 should be replaced by X_o (twice),
lines 7 and 8, “++” should be replaced by “+”.