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# Errata

p. 4, Exercise 1.5: Replace “of degree  $n$ ” by “of degree  $\leq n$ ”.

p. 111, Line 2 of quote: Replace “its” by “it’s”.

p. 142 (7.20): The right hand side should read

$$\max\{\|S\mathbf{u}\|_{\nu} : \mathbf{u} \in \mathcal{U} \text{ and } \|\mathbf{u}\|_{\mathcal{U}} \leq \mathbf{1}\}$$

p. 146, Line 1: Delete  $= \|A\|_{\infty,1}$  from (4).

p. 167, Lines -18 and -7: Replace “Appendix F” by “Appendix A”

p. 182, equation (8.34): The summation index should be  $s$  not  $t$ .

p. 220, Line 7 of the proof of Lemma 10.10: Replace

$$\begin{bmatrix} T_{11} \\ O \end{bmatrix} \quad \text{by} \quad \begin{bmatrix} T_{11}^H & O \end{bmatrix} \begin{bmatrix} T_{11} \\ O \end{bmatrix}$$

p. 253, Line 3 of Lemma 12.8: Replace  $|f(\zeta)| > 0$  by  $f(\zeta) > 0$

p. 269, Line -14: Replace “Exercise 20.1” by “Theorem 12.2”

p. 273, equation (12.71): A left parenthesis is missing just before  $\gamma^2$ , in both formulas.

p. 294, in the second line of the formula for  $\varphi'(t)$ : The symbol “det” is missing here and on the line following.

p. 298, Line 3 of Exercise 14.1: Replace  $\beta_{j+1}$  by  $\alpha_{j+1}$

p. 306, Exercises 14.5 and 14.7: Replace (14.11) by (14.9).

p. 324, Theorem 15.2: In the first displayed equation, replace  $(\mathbf{u})^\circ$  by  $(\mathbf{u}^\circ)$

- p. 325, Line 1: A “)” is missing.
- p. 327, Line –3: Replace  $J$  by  $J_{\mathbf{f}}$
- p. 332, In the second line of the proof, replace  $\frac{\partial f}{\partial \nu}$  by  $\frac{\partial f}{\partial \nu} =$
- p. 347, Exercise 16.14: Replace “maximum” by “minimum”.
- p. 356, Remark 16.16: Delete “and  $\|f\| \leq 1$ ” on the left hand side of the first displayed equality, and delete “and  $\mathbf{u} \in \mathcal{U}$ ” from the left hand side of the second displayed equality.
- p. 358, in formula (17.6) the  $i$  should be in front of the fraction line and not on it. Also the two references to (17.6) just below (17.7) should be changed to (17.5).
- p. 363, Theorem 17.7: Add the word “piecewise smooth” to the description of  $\Gamma$ .
- p. 371, Line –7: Replace “Paresaval” by “Parseval”.
- COMMENT: In Lemmas 17.16, 17.17, 17.18, 17.22, Corollary 17.23, Exercises 17.19 and 17.23, the constraint “smooth” can be relaxed to “piecewise smooth”.
- p. 373, Lemma 17.16: Add the word “closed” to the description of  $\Gamma$ .
- p. 375, Lemmas 17.17 and 17.18: Add the word “closed” to the description of  $\Gamma$ .
- p. 377, Line -7: replace “the Jordan” by “a Jordan”.
- p. 382, formula (17.37): Replace  $dt$  by  $dx$ .
- p. 452, Line -10: Replace “proof the” by “proof of the”.
- p. 459, Lemma 21.13: Replace  $(\lambda)^n$  by  $\lambda^n$  (twice)
- p.463, Line 5: Replace  $\tilde{C}$  by  $\tilde{S}$
- p. 473, Corollary 22.6: add the following phrase at the end of the first sentence: “such that  $f(x) \geq \gamma > -\infty$  for every point  $x \in Q$ ”
- p. 483, in the discussion of Lemma 22.19, the symbol  $A$  refers to a nonempty compact convex subset of  $\mathbb{R}^2$ .
- p. 489, Line 1 of Lemma 22.26: Replace “nonzero” by “unit”.
- p. 494, Line –4: Replace  $\leq$  by  $\preceq$
- p. 500, Line –9: The right parenthesis should be level and not a subscript.
- p. 501, Line -10: Replace  $(\lambda I_n - A)_{ji}$  by  $(\lambda I_n - A)_{\{ji\}}$
- p. 503, Line -5: Replace  $j, \dots, n$  by  $j = 1, \dots, n$

p. 510, Lines 6 and 8: Replace  $\tilde{x}_1 = \cdots \tilde{x}_k$  by  $\tilde{x}_1 + \cdots + \tilde{x}_k$

p. 510, Line 4 of Exercise 23.24: The symbol  $\geq$  should be added to the left of  $x_n$  and to the left of  $y_n$ .