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ERRATA – CORRECTIONS TO VOLUME 3, NUMBER 2, SPRING 1991

Volume 3, Number 2, Spring 1991 contained several typographical errors. The errors were due to a "bug" in the computer typesetting program and are not the responsibility of the authors. Most of the errors are missing or misprinted minus signs and capital gammas. Reprints, with all corrections included, are available from the authors.

1. "PROBABILISTIC ANALYSIS OF NUMERICAL METHODS FOR INTEGRAL EQUATIONS."

By Stefan Heinrich

1. Pages 289 and 290. The expressions ( ) and (^{2}) should be replaced by (Γ) and (Γ^2) in Introduction, lines 6, 14 and 18 on Page 289, and in lines 1 and 18 on Page 290.

2. Page 290. Equations (0.1) and (0.2) have faint equal signs that should be replaced with minus signs, and Γ's are missing. They should read, respectively:

$$(0.1) \qquad c_1 n^{-s} \leq \sup_{\substack{k \in BH^r(\Gamma^2)/2 \\ y \in BH^s(\Gamma)}} ||x(k,y) - x_n^G(k,y)|| \leq c_2 n^{-s}$$

$$(0.2) \qquad c_3 n^{-r-s} \leq \sup_{\substack{k \in BH^r(\Gamma^2)/2 \\ y \in BH^s(\Gamma)}} ||x(k,y) - x_n^I(k,y)|| \leq c_4 n^{-r-s}$$

The faint equal signs in lines 26, 27 and 30 should be replaced with minus signs.

3. Page 293. The thick minus signs in the third displayed equation and the fourth line of *Remark* should be replaced with regular minus signs.

4. Page 294 and 295. The unusual symbols in Equations (2.1) through (2.3) should be replaced with minus signs. The same symbols should be replaced with minus signs in **Lemma 2.1**, lines 1 2, 4 and 5, and in the equations in *Proof*.

5. Page 296. The thick minus signs in lines 17, 18, 20, 21, 22, 29 and 30 should be replaced with regular minus signs.

6. Page 298 and 299. The faint equal signs in lines 3, 4, 11, 16, 18, 19, 20 and 22 on Page 298 and in line 2 on page 299 should be replaced with minus signs.

7. Page 299. The square dots in lines 4 and 5 should be replaced with minus signs.

8. Pages 299 to 303. Replace the thick minus signs with regular minus signs in lines 19 and 21 on Page 299; lines 2–4, 12, 14, 18–20, 22 and 23 on Page 300; lines 5, 13, 18, 19, and 21–25 on Page 301, lines 5–7, 9, 13, 14, 16, 17, and 20 on Page 302; and lines 9, 10, 12 and 13 on Page 303.

9. Page 303. Lines 16 and 17 are missing minus signs and should read:

$$\mu\{T \in K(X) : (1/2)E_4(n) \le ||(T - TP_n)J|| \le (3/2)E_4(n)\} \\ \ge 1 - 2\exp(-E_4(n)^2/(8L_4(n)^2)).$$

Lines 22–24 are missing Γ's and should read:

put $X = L_2(\Gamma) = L_2(\Gamma, \lambda)$, where $\Gamma = \{e^{it} : 0 \le t \le 2\pi\}$ is the unit circle and λ is the Lebesgue measure on Γ. Let $(e_n)_{n=-\infty}^{+\infty}$ be the normalized in $L_2(\Gamma)$ trigonometric basis, i.e.,

In the last line on the page replace the unusual symbols in the exponents with a minus sign.

10. Page 304. The expressions $(\ ^2)$, $(\ ^2, \lambda^2)$, $(\ )$ and $(\ , \lambda)$ should be replaced by (Γ^2), (Γ^2, λ^2), (Γ) and (Γ, λ) in lines 3, 4, 8, 10–12, 14–16, 18, 20, 21 and 23.

A Γ is missing in the lower limits of the integral sign in Equation (3.1). It should read:

$$(T_k x)(u) = \int_\Gamma k(u, v)x(v)\, dv. \tag{3.1}$$

In the equation in line 13 a Γ is missing. It should read:

$$e_{mn}(u,v) = e_m(u)e_n(v), \qquad m,n \in \mathbf{Z},\ u,v \in \Gamma,$$

The expressions $||f||^2_{H^s(\ )}$ and $||g||^2_{H^r(\ 2)}$ should be replaced with $||f||^2_{H^s(\Gamma)}$ and $||g||^2_{H^r(\Gamma^2)}$ in the equations in lines 10 and 16, respectively.

The expressions $\widetilde{\Phi_r\gamma}_{H^r(\ 2)}$ and $\widetilde{J_s\gamma}_{H^s(\ )}$ should be replaced with $\widetilde{\Phi_r\gamma}_{H^r(\Gamma^2)}$ and $\widetilde{J_s\gamma}_{H^s(\Gamma)}$ in the equations in lines 22 and 24.

11. Page 305. The expressions ( ) and (^{2}) should be replaced by (Γ) and (Γ^2) in lines 5 and 6, Equations (3.2) and (3.3), lines 17, 20, 23, and 24.

The thick minus signs in Equation (3.2) should be replaced with regular minus signs.

12. Pages 306 and 307. The expressions (^{2}) and ( ) should be replaced by (Γ^2) and (Γ) in line 16 on Page 306, and lines 5, 9–12, 15 and the last line on Page 307.

13. Pages 308 and 309. The expressions ( ) and (^{2}) should be replaced by (Γ) and (Γ^2) in lines 1–3, 7, 14, 15, and 18 on Page 308, and in lines 5 and 27 on Page 309.

Replace the blurred symbols in the exponents with a minus sign in the last line on Page 308 and in lines 15 and 16 on Page 309.

Replace the unusual symbol with a minus sign in line 25 on Page 309.

14. Pages 310 and 311. The expressions (^{2}) and ( ) should be replaced by (Γ^2) and (Γ) in lines 1 and 2 on Page 310, and in lines 2, 4, 9, 10 and 18 on Page 311.

15. Pages 312 and 313. Replace the blurred symbols in the exponents with minus signs in lines 5–7 on Page 312, and in the last line on Page 313.

The expressions ( ) and (^{2}) should be replaced by (Γ) and (Γ^2) in line 22 on Page 312 and in lines 15, 18 and 20 on Page 313.

16. Pages 314 and Page 315. Replace the blurred symbols in line 2, the square dots in lines 8 and 12, and the unusual symbols in the exponents in the last equation, with minus signs.

Replace the square dot in line 11 on Page 314 with Γ and the expression (^{2}) with (Γ^2) in line 4 on Page 315.

17. Pages 316, 317 and 318. Replace the faint equal signs with minus signs in Equations (5.11), (5.12), (5.14) and (5.15) on Page 316, and in the last two equations on Page 317.

Replace the blurred symbol with a minus sign in line 10 on Page 317 and in line 10 on Page 318.

2. "FORCED VIBRATIONS IN ONE-DIMENSIONAL NONLINEAR VISCOELASTICITY."

By Eduard Feireisl

1. Pages 321 and 322. Replace the blurred symbols with minus signs in Equation (C) on Page 321 and Equation (1.1) on Page 322.

2. Page 325. Minus signs are missing in lines 7, 13, 14 and 25 and these lines should read, respectively:

$S^1 = [-l, l]/\{-l, l\}$, $S^2 = [0, \omega]/\{0, \omega\}$.

$$Y_1 = \{u \mid u \in L_2(S^1),\ u(-x) = u(x),\ x \in S^1,\ \int_0^l u(x)\,dx = 0\},$$
$$Y_2 = \{v \mid v \in L_2(S^1),\ v(-x) = -v(x),\ x \in S^1\}.$$

$$g(x,t) = \begin{cases} \chi^\varepsilon(x) g(x,t), & x \in [0,l],\ t \in S^2, \\ -g^\varepsilon(-x,t), & x \in [-l,0),\ t \in S^2, \end{cases}$$

3. Page 327. The blurred symbols should be replaced with minus signs in Equations (2.8), (S_1^ε), (S_2^ε) and in the last line of the last equation on the page.

4. Page 330. The first equation in **Proposition 2** is missing a minus sign and should read:

$$M_C = \{[u, v] \mid -C \le s(u, v), r(u, v) \le C\}$$

Replace the blurred symbol with a minus sign in Equation (3.5).

5. Pages 331 and 332. Replace the blurred symbols in line 3 and the small diamond in line 13 with minus signs on Page 331. On Page

332, replace the blurred symbols in the exponents with minus signs in lines 3 and 4.

Minus signs are missing in the equation at the bottom of Page 331. Replace the expressions F^1 and $-F^1$ with F^{-1} and $-F^{-1}$.

6. Pages 333 and 334. Replace the unusual symbols with minus signs in lines 14 and 16 on Page 333. On Page 334, replace the square dots in the first two displayed equations with minus signs.

7. Pages 335 and 337. Replace the blurred symbol in line 4 and the faint equal sign in line 22 with minus signs on Page 335. Replace the blurred symbol in line 4 with a minus sign on Page 337.

8. Pages 338 and 339. Replace the unusual symbols with minus signs in Equation (T) on Page 338, and in line 14 on Page 339.