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Local Bifurcations, Center Manifolds, and Normal Forms in Infinite-Dimensional Dynamical Systems

May 2, 2018

Springer

Corrigendum ¹

Chapter 1

page 8 line -1: replace $D_u F(0,0)$ by $D_u \mathbf{F}(0,0)$
 page 20 line -3: replace ζ_* by ζ^*

Chapter 2

page 42 line 13: replace (twice) \mathcal{V} by \mathcal{Z}
 page 42 lines 15: replace \mathcal{V} by \mathcal{Z}
 page 45 line 16: replace $\alpha \neq 0$ by $\alpha \neq 1$
 page 54 line -7: read “...we further assume that Hypothesis 3.14 holds, and that the restriction \mathbf{S}_0 of \mathbf{S} to the subspace \mathcal{E}_0 is an isometry. Then...”
 page 54 line -4: suppress “where \mathbf{S}_0 is the restriction of \mathbf{S} to the subspace \mathcal{E}_0 and”
 page 64 line 16: replace \mathcal{V} by \mathcal{Z}
 page 64 line -13: replace \mathcal{V} by \mathcal{Z} and \mathcal{Z} by \mathcal{V}
 page 65 line -1: replace $\{\mathcal{R}_1\}$ by $\{-\mathcal{R}_1\}$
 page 66 line 15: replace \mathcal{V} by \mathcal{Z}
 page 72 line 12: replace \mathcal{V} by \mathcal{Z}

Chapter 3

page 102 line 6: read “We set $v = u'$ and $U = (u, v)$, so that ...”
 page 112 line 8: read “ $\mathbf{L}\xi_1 = 0$, $\mathbf{L}\xi_2 = \xi_1$, $\mathbf{L}\xi_3 = \lambda \xi_3$.”
 page 113 line -10: replace $q = 2$ by $q = 1$
 page 120 line -1: read “ $\frac{dA}{dt} = iA + a\mu A + bA|A|^2 + O(\mu^2|A| + |\mu||A|^3 + |A|^5)$.”
 page 121 line -9: replace ζ_* by ζ^*
 page 121 line -4: read “ $\Phi_\mu(A, \bar{A}) = (\mu A + \mu \bar{A})\binom{0}{1/2} + \dots$ ”
 page 124 line -11: replace \mathcal{V}_h by \mathcal{Z}_h
 page 124 line -7: replace \mathcal{V} by \mathcal{Z}
 page 125 line 9: replace \mathcal{V} by \mathcal{Z}
 page 125 line -13: replace Ψ_{200} by Ψ_{210}
 page 127 line 19: replace \mathcal{V} by \mathcal{Z}
 page 130 line 15: replace $\overline{\Phi}_0 \overline{\Phi}_1$ by $\overline{\Phi}_0, \overline{\Phi}_1$
 page 133 line -9: replace \mathcal{V} by \mathcal{Z}
 page 147 line -3: replace Ψ by $\tilde{\Psi}$
 page 154 line 8: replace ‘algebraic multiplicity’ by ‘index’

¹ Line -n means the n-th line from the bottom of the indicated page.

Chapter 4

page 214 line 10: replace 3.2 by 3.14

page 230 line 2: read " $\mathbf{S}\zeta_0 = \zeta_0$, $\mathbf{S}\zeta_1 = -\zeta_1$, $\mathbf{S}\zeta_2 = \zeta_2$, $\mathbf{S}\zeta_3 = -\zeta_3$."

Chapter 5

p.246 line 18: replace 'Close' by 'close'

p.252 line 11: replace 'Reynolds' by 'Rayleigh'

p.255 line 1: replace 'Reynolds' by 'Rayleigh'

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2011, XI, 329 p., Softcover

ISBN: 978-0-85729-111-0