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Corrections to "Existence and stability of solutions for semilinear Dirichlet problems"

(Ann. Polon. Math. 88 (2006), 127–139)

by Marek Galewski (Łódź)

Pages 128, 137 and 138: replace $(0,T)$ and $[0,T]$ by $(0,\pi)$ and $[0,\pi]$ respectively.

Page 128, line 14 from above: replace $\sqrt{\frac{12}{\pi}}$ by $\frac{\sqrt{12}}{\pi}$, and d by d_k.

Page 128, line 11 from below: replace $\left\|\frac{d^3}{dt^3}x\right\|^2_{L^2}$ by $\left\|\frac{d^3}{dt^3}x\right\|_{L^2}$.

Page 130, line 16 from below: replace $k=1,2,\dots$ by $k=0,1,2,\dots$.

Page 130, line 14 from below: replace $S(L)$ by $D(L)$.

Page 130, line 10 from below: replace $D(S)$ by $D(L)$.

Page 135, line 11 from below: replace $D(S)$ by Y.

Page 136, line 8 from above: replace $\overline{x}+tx$ by $\overline{x}+tx\in B$.

Page 136, lines 11–12 from above: delete $[-1,1]\in$.

Page 137, line 6 from above: replace $\left\|\frac{d^3}{dt^3}x\right\|^2_{L^2}$ by $\left\|\frac{d^3}{dt^3}x\right\|_{L^2}$.

Page 137, line 14 from above: replace

$$\operatorname*{ess\,sup}_{t\in[0,T]}|\nabla F_k(t,d)|\int_0^\pi\left|\frac{d^3}{dt^3}x\right|^2dt$$

by

$$\sqrt{\pi}\operatorname*{ess\,sup}_{t\in[0,\pi]}|\nabla F_k(t,\pm d_k)|\sqrt{\int_0^\pi\left|\frac{d^3}{dt^3}x\right|^2dt}.$$

Page 137, lines 16, 18 from above: replace $\left\|\frac{d^3}{dt^3}x\right\|^2_{L^2}$ by $\left\|\frac{d^3}{dt^3}x\right\|_{L^2}$, and d by d_k.

Page 138, line 14 from above: replace $\sqrt{\frac{12}{\pi}}$ by $\frac{\sqrt{12}}{\pi}$.

Faculty of Mathematics and Computer Science
University of Łódź
Banacha 22
90-238 Łódź, Poland
E-mail: galewski@math.uni.lodz.pl

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