

ERRATUM

Open Access



Erratum to: On the existence of mild solutions to the Cauchy problem for a class of fractional evolution equation

Jin Liang^{1*}, Sheng-Hua Yan¹, Fang Li² and Ting-Wen Huang³

*Correspondence:

jinliang@sjtu.edu.cn

¹Department of Mathematics, Shanghai Jiao Tong University, Shanghai, 200240, P.R. China
Full list of author information is available at the end of the article

After publication of our work [1] we noticed that there were errors in some equations.

The original equations and corrected equations are given below.

In Remark 2.11 on page 5, 'at $t = 0$ ' should be 'at $t = 0$ when $h(0, x(0)) = 0$ '

At the end of (3.2) on page 7, ' $= 0$ ' should be ' $ds = 0$ '

In (1) of Theorem 3.1, on line 14 of page 7, ' $x_0 \in D(A^\beta)$ ' should be ' $x_0 \in D(A^{\alpha+\beta})$ '

In Step 1 of the proof of Theorem 3.1, on line 2 of page 8,

$$\sup\{\eta(t)\} \leq K$$

should be

$$\sup_{t \in \mathbb{R}^+} \eta(t) \leq K.$$

In Example 4.2, on page 13, 'Schro" dinger' should be 'Schrödinger'.

Author details

¹Department of Mathematics, Shanghai Jiao Tong University, Shanghai, 200240, P.R. China. ²School of Mathematics, Yunnan Normal University, Kunming, 650092, P.R. China. ³Texas A & M University at Qatar, c/o Qatar Foundation, P.O. Box 5825, Doha, Qatar.

Received: 12 August 2015 Accepted: 12 August 2015 Published online: 25 August 2015

References

1. Liang, J, Yan, SH, Li, F, Huang, TW: On the existence of mild solutions to the Cauchy problem for a class of fractional evolution equation. *Adv. Differ. Equ.* **2012**, 40 (2012)