CORRIGENDUM TO “KATZNELSON-TZAFRIRI TYPE THEOREMS FOR INDIVIDUAL SOLUTIONS OF EVOLUTION EQUATIONS”

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ABSTRACT. The author of the paper “Katznelson-Tzafriri type theorems for individual solutions of evolution equations”, *Proc. Amer. Math. Soc.* **136** (2008), 1749-1755, corrects some conditions in the statements of the main results.

According to the corrections made in [3] to the results stated in [2] on which the main results of [1, Theorems 1.1, 1.2] rely, the uniform continuity of the functions f in (1.1), u and $Au(\cdot)$ in Theorems 1.1 and 1.2 is needed. Also, the definition of condition $\mathcal{F}^{++}$ of the function space $\mathcal{F}$ needs to satisfy the invariance condition $\mathcal{D}(D(\mathcal{F})) \subset \mathcal{F}$.

REFERENCES

- [1] Nguyen Van Minh. Katznelson-Tzafriri type theorems for individual solutions of evolution equations. *Proc. Amer. Math. Soc.* **136** (2008), 1749-1755. MR2373605 (2009j:34132)
- [2] Nguyen Van Minh. A spectral theory of continuous functions and the Loomis-Arendt-Batty-Vu theory on the asymptotic behavior of solutions of evolution equations. *J. Differential Equations* **247** (2009), 1249-1274. MR2531179
- [3] Nguyen Van Minh. Corrigendum to [2]. To appear in *J. Differential Equations*.

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