

**Correction to:**  
**TOPOLOGICAL STABILITY OF SOLENOIDAL**  
**AUTOMORPHISMS**

NOBUO AOKI

The paper with the above title (Vol. 90, 1983, 119–135) contains omissions. They are in the proof (p. 134) of uniform continuity and uniform convergence of maps  $h_n$  stated in p. 133,  $\ell \uparrow 3$ .

The gaps are repaired as follows: Since  $(\mathbf{R}^r, \gamma)$  is expansive and  $\psi^*$  is 1–1 continuous, for every  $\lambda > 0$  ( $\lambda < \varepsilon$ ) there is  $N \geq 0$  such that  $x - y \in \psi^*B(\lambda)$  if  $\sigma^j(x - y) \in \psi^*B(3\varepsilon)$  for  $|j| \leq N$ . Take  $\alpha > 0$  such that if  $d(x, y) < \alpha$  for  $x, y \in \psi(\mathbf{R}^r)$  then  $\max\{d(f_n^j(x), f_n^j(y)): |j| \leq N\} < \lambda$ . Remark that  $\psi^*B(\varepsilon) \oplus F(\varepsilon)$  is a closed neighborhood of 0 in  $X$ ; i.e.  $\psi^*B(\varepsilon) \oplus F(\varepsilon) = \{x \in X: d(x, 0) \leq \varepsilon\}$ . By (5),  $\sigma^j\{h_n(x) - h_n(y)\} + \{f_n^j(x) - f_n^j(y)\} \in \psi^*B(2\varepsilon)$  for  $|j| \leq N$  and hence  $\sigma^j\{h_n(x) - h_n(y)\} \in \psi^*B(3\varepsilon) \oplus F(\lambda)$ . Since  $\bigcap_{-N}^N \sigma^{-j}\psi^*B(3\varepsilon) \subset \psi^*B(\lambda)$  and  $\bigcap_{-N}^N \{\sigma^{-j}\psi^*B(3\varepsilon) \oplus F(\lambda)\} \subset \psi^*B(\lambda) \oplus F(\lambda)$ , we have  $d(h_n(x), h_n(y)) \leq \lambda$ , i.e.  $h_n$  is uniformly continuous. Therefore  $h_n$  is extended to a continuous map of  $X$  into itself which is denoted by the same symbol.

Let  $\lambda$  nad  $N$  be as above. Since  $\lim_{n,m} d(f_n^j, f_m^j) = 0$  for fixed  $j$ , there is  $N(j) > 0$  such that  $f_n^j(x) - f_m^j(x) \in \psi^*B(\lambda) \oplus F(\lambda)$  for  $n, m \geq N(j)$ . Thus by using (5),  $h_n(x) - h_m(x) \in \sigma^{-j}\{\psi^*B(3\varepsilon) \oplus F(\lambda)\}$  for  $n, m \geq N(j)$ . Therefore for  $n, m \geq \max\{N(j): |j| \leq N\}$  and  $x \in X$ ,  $h_n(x) - h_m(x) \in \psi^*B(\lambda) \oplus F(\lambda)$ ; i.e.  $\{h_n\}$  converges uniformly to some continuous map.

*Department of Mathematics*  
*Tokyo Metropolitan University*  
*Setagaya-ku, Tokyo 158*  
*Japan*

---

Received July 7, 1983.