

ERRATA

p. 13 – formula (2.5) should be

$$\begin{aligned}\lambda_1 \|v\| &\leq \|dfv\| \leq \mu_1 \|v\|, & v \in E_1(x), \\ \lambda_2 \|v\| &\leq \|dfv\| \leq \mu_2 \|v\|, & v \in E_2(x).\end{aligned}$$

p. 14 – formula (2.8) should be

$$\begin{aligned}\lambda_1 \|v\| &\leq \|dfv\| \leq \mu_1 \|v\|, & v \in E^s(x), \\ \lambda_2 \|v\| &\leq \|dfv\| \leq \mu_2 \|v\|, & v \in E^c(x), \\ \lambda_3 \|v\| &\leq \|dfv\| \leq \mu_3 \|v\|, & v \in E^u(x).\end{aligned}$$

p. 16, 1.13 – erase: “where g_t is the geodesic flow”

p. 18 – 1-10 and -8 – replace $\mu \in Q$ with $\mu \in \partial Q$

p. 47 – formula (5.2) should be

$$\begin{aligned}\lambda_1 \|v\| &\leq \|dfv\| \leq \mu_1 \|v\|, & v \in E^s(x), \\ \lambda_2 \|v\| &\leq \|dfv\| \leq \mu_2 \|v\|, & v \in N, \\ \lambda_3 \|v\| &\leq \|dfv\| \leq \mu_3 \|v\|, & v \in E^u(x).\end{aligned}$$

p. 53, 1-9 – replace $B^{cs}(x, r)$ with $W^{cs}(x, r)$

1-2 – replace $B^{cs}(x, r)$ with $W^{cs}(x, r)$ (two times)

p. 54, 1.23 – in the displayed formula replace ν with ν^{-1}

p. 85, 1-3 – before “By absolute continuity” insert the following sentence:

“Similarly, $\varphi^-(x) = \varphi^-(z)$ for every $z \in V^u(x)$.”

p. 86, 1.3 – replace the displayed formula with

$$\bar{\varphi}(y) = \varphi^-(y) = \varphi^-(z) = \varphi^+(z) = \varphi^+(x) = \bar{\varphi}(x).$$

p. 103, 1-4 – should be “Kuranishi”

p. 108 – before Theorem 9.1 add the following definition of dynamical coherence:

A partially hyperbolic diffeomorphism f is said to be dynamically coherent if its central distribution E^c is integrable to a foliation W^c and so are the distributions $E^{cs} = E^c \oplus E^s$ and $E^{cu} = E^c \oplus E^u$. It is also assumed that the corresponding center-stable and center-unstable foliations W^{cs} and W^{cu} are sub-foliated by leaves of the central foliation.

p. 109 – in formulas on lines 22 and 23 insert $k = 0, 1, \dots, n-1$ in the end of the definitions of the sets

p. 112, 1-13 – erase “ $\text{Diff}^2(M \times S^1)$ or”