ERRATA:

Bifurcation Theory for Hexagonal Agglomeration
in Economic Geography
Springer, 2014 by Kiyohiro Ikeda and Kazuo Murota
October 3, 2016

The following corrections should be made on the book:

• Page 11, ($D = 9$) at the right in Fig. 1.7(**f**): Should read, ($D = 12$).

• Page 12, $D = 9$ in the subsubsection title "**Transition via the Hexagon with** $D = 9$": Should read, $D = 12$.

• Page 12, $L/d = \sqrt{D} = \sqrt{9} = 3$ two lines above (1.3): Should read, $L/d = \sqrt{D} = \sqrt{12} = 2\sqrt{3}$.

• Page 12, $1 \to \sqrt{3} \to 3$ in (1.3): Should read, $1 \to \sqrt{3} \to 2\sqrt{3}$.

• Page 123, $k = 3$ ($D = 3$) at the right in Fig. 4.7: Should read, $k = 7$ ($D = 7$).

• Page 163, the third displayed equation,

$$\chi^{(k,\ell)}(hp_1h^{-1}) = \chi^{(k,\ell)}(p_1), \quad \chi^{(k,\ell)}(hp_2h^{-1}) = \chi^{(k,\ell)}(p_2)$$

Should read,

$$\chi^{(k,\ell)}(h^{-1}p_1h) = \chi^{(k,\ell)}(p_1), \quad \chi^{(k,\ell)}(h^{-1}p_2h) = \chi^{(k,\ell)}(p_2)$$

• Page 163, $\chi^{(n/3,n/3)}(rp_1r^{-1}) = \omega^{-n/3}$ in the second line from the bottom: Should read, $\chi^{(n/3,n/3)}(r^{-1}p_1r) = \omega^{-n/3}$.

• Page 229 $\dim \mathrm{Fix}^{(6;k,0,+)}(\Sigma(2\beta,\beta)) = 1$ two lines below (8.55): Should read, $\dim \mathrm{Fix}^{(6;k,k,+)}(\Sigma(2\beta,\beta)) = 1$.

• Page 236, "(8.66) and (8.69)" below (8.70): Should read, (8.65), (8.66) and (8.69).

• Page 243, $(2\beta'', \beta')$ at the top of Fig. 8.8 (two places): Should read, $(2\beta'', \beta'')$.

• Page 261, "$\Sigma_0(6,0)$ reduces to $\{e\}$" in the seventh line from the bottom: Should read, $\Sigma_0(6,0)$ reduces to $\langle r\rangle$.

• Page 262, the second displayed equation from the bottom, and Page 263, the first and the third displayed equations,

$$\cdots \Sigma_0(0,0) = \{e\}$$

Should read (three places),

$$\cdots \Sigma_0(0,0) = \langle r\rangle$$

• Page 270, the first equation from the bottom,

$$[\hat{\ell}a + \hat{k}b] + [ka - (\hat{k} + \hat{\ell})b] = -[\hat{\ell}b - (\hat{k} + \hat{\ell})a]$$

Should read,

$$[\hat{\ell}a + \hat{k}b] + [\hat{k}a - (\hat{k} + \hat{\ell})b] = -[\hat{\ell}b - (\hat{k} + \hat{\ell})a]$$