Errata of the book "Affine Diffusions and Related Processes: Simulation, Theory and Applications".

- p. 16, l.-3: replace "with $\nu > 0$ degrees of freedom" by "with $2\nu > 0$ degrees of freedom" to comply with the standard definition. Accordingly, one should replace
 - p. 17, l. 9: " $\frac{2a}{\sigma^2}$ " by " $\frac{4a}{\sigma^2}$ ",
 - p. 18, l. 3: " $\nu>0$ degrees of freedom" by " $2\nu>0$ degrees of freedom",
 - p. 36, l. 9: " $\frac{2k\theta}{\sigma^2}$ " by " $\frac{4k\theta}{\sigma^2}$ ",
 - p. 36, l. 10: ' $\nu>0$ degrees of freedom" by " $2\nu>0$ degrees of freedom".
- p. 63, second equation: a nabla is missing: $f(X_k(t,x)) = f(x) + \int_0^t v_k(X_k(s,x)) \cdot \nabla f(X_k(s,x)) ds = f(x) + \int_0^t V_k f(X_k(s,x)) ds.$
- p. 98, 2nd equation: an half is missing: the infinitesimal generator is given by

$$Lf(x,v) = (r - \frac{v}{2})\partial_x f(x,v) + (a - kv)\partial_v f(x,v) + \frac{\sigma^2}{2}v\partial_v^2 f(x,v) + \frac{v}{2}\partial_x^2 f(x,v) + \rho\sigma v\partial_x \partial_v f(x,v) + \frac{\sigma^2}{2}v\partial_v^2 f(x$$

• p. 100, Corollary 4.2.2, a parenthesis is missing in the third condition. One should read

3.
$$v(p) > \frac{k^2}{2\sigma^2}$$
, and $t < \frac{2}{\bar{\gamma}_{v(p)}} \left(\arctan\left(\frac{\bar{\gamma}_{v(p)}}{\rho\sigma p - k}\right) + \pi \mathbb{1}_{\{\rho\sigma p - k < 0\}} \right)$.

- p. 126, Eq (5.8): read $4\text{Tr}(B_tB_t^{\top}A_t^{\top}A_t)dt$, and $d\text{Tr}(Y_t) = \text{Tr}(C_t)dt + 2\text{Tr}(A_tB_tdW_t)$ two lines before.
- p. 141, Prop 5.3.4: replace a^{\top} by aa^{\top} in equation (5.25).
- p. 185: expectation of (1.6) by (6.1).
- p. 242, l. 11: "f(v)" is missing, one should read: $= \int_0^\infty f(v) \frac{(\alpha-1)^{\alpha}}{\Gamma(\alpha)} \exp\left(-(\alpha-1)v\right) v^{\alpha-1} dv.$