

Erratum: “On the Existence of Invariant Measure for Lagrangian Velocity in Compressible Environments,”
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1. The definition of the transport operator contained in formula (3.1) p. 640 of the paper is misspelled. It should read as follows.

The *transport operator* $Q: L^1(\mathcal{F}_2) \rightarrow L^1(\mathcal{F}_2)$ is defined as

$$QF(\omega') = \int_{\mathbb{R}^d} \int_{\Omega} p^{\omega, \tau-T, 0\omega'}(0, \mathbf{y}; T, \mathbf{0}) F(\tau_{0, \mathbf{y}}\omega) \mathbb{P}(d\omega) d\mathbf{y}. \quad (3.1)$$

2. Correction is also needed in formula (3.4) p. 642. It should read:

Therefore, for any $F \geq 0$

$$\begin{aligned} QF(\omega') &= \int_{\mathbb{R}^d} \int_{\Omega} p^{\omega, \tau-T, 0\omega'}(0, \mathbf{y}; T, \mathbf{0}) F(\tau_{0, \mathbf{y}}\omega) \mathbb{P}(d\omega) d\mathbf{y} \\ &\geq \frac{c_1}{T^{\frac{d}{2}}} \int_{\mathbb{R}^d} \int_{\Omega} \exp\left\{-\frac{c_2}{T} |\mathbf{y}|^2\right\} F(\omega) \mathbb{P}(d\omega) d\mathbf{y} \\ &=: C(T) \int_{\Omega} F(\omega) \mathbb{P}(d\omega) \end{aligned} \quad (3.4)$$

for some positive $C(T)$.