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In the first paragraph of Sec. IV, the statement ‘...while the total mass flux density $\rho \overline{u}$ remains zero’ is wrong. In the situation we are considering, with sealed reservoirs at the ends of the channel, the total time-averaged mole flux is zero, as the mole flux of the heavy component in one direction equals that of the light component in the other direction. Hence, nonzero net mass must flow in the direction that the heavy component flows.

It is easy to show that this net time-averaged second-order mass flux is

$$M_2 = M_{H,2}(1 - m_L/m_H)$$

(46a)

when the mole fluxes are equal and opposite, and that the time-averaged second-order mass flux of the heavy component is

$$M_{H,2} = A \rho \overline{c u} = A \rho m \frac{m_H}{m_H} \frac{\text{Re}[\langle c \overline{u}_1 \rangle]}{2} + c_m M_2.$$

(46b)

These equations should replace Eq. (46) in the manuscript. Equations (48) and (49) give expressions for $\rho^m \text{Re}[\langle c \overline{u}_1 \rangle]/2$, not for $\langle \rho u \overline{c} \rangle$.

Finally, by combining Eqs. (46a) and (46b) to eliminate $M_2$ and solving for $M_{H,2} = m_H N_{H,2}$, we arrive at Eq. (52), which is correct as written.

We are grateful to Drew Geller for bringing this error to our attention.