

September 2020

These errata are for “1D Transport Using Neural Nets, S_N , and MC”. There is a LLNL paper, a M&C paper, and slides.

LLNL paper <http://mike.pozulp.com/2019nnPaper.pdf>
slides <http://mike.pozulp.com/2019nnSlides.pdf>

The M&C paper was published in the Proceedings of M&C 2019, 876-885. Portland OR, August 25-29, 2019.

- Equations (18) and (77) in the LLNL paper, Equation (18) in the M&C paper, and the equation on slide 23 and slide 24 should not have Σ_a in the final quotient. The correct equation is

$$\begin{aligned} \phi(z) = & \frac{Q_0}{\Sigma_a} - \frac{Q_0}{2\Sigma_a} \left(e^{-\Sigma_a z} + e^{-\Sigma_a(H-z)} \right) \\ & + \frac{Q_0}{2} \left(zE_1(\Sigma_a z) + (H-z)E_1(\Sigma_a(H-z)) \right) \end{aligned} \quad (1)$$