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Correct equation for lateral flow (Eq. 40)

In the original SPHY publication the equation for lateral flow (Eq. 40) was written incorrectly. This is explained below.

For small travel times the $TT_{lag}$, the $\left(1 - \exp\left[-\frac{1}{TT_{lag}}\right]\right)$ part becomes more or less equal to 1. This means that although there may not be any lateral flow generated in the current time step $t$, it can infinitely continue generating lateral flow from the previous time step.

The correct Eq. (40) should therefore be

$$LF_l = LF^*_l \cdot \left(1 - \exp\left[-\frac{1}{TT_{lag,l}}\right]\right)$$

$$+ LF^*_l,_{t-1} \cdot \exp\left[-\frac{1}{TT_{lag,l}}\right].$$

(1)