Errata

Report:

Fire Safety Challenges of Tall Wood Buildings – Phase 2: Task 2 & 3 – Cross Laminated Timber Compartment Fire Tests

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Reference:

Erratum

This is to correct typos in the heat flux equation in Task 2&3 Report FPRF-2018-01 (i.e. NRC A1-010659.1). On page 40, the sign in front of the second term of the heat flux equation should be minus (not plus) and the units of heat flux are W/m^2 (not W). The corrected text should read:

The incident heat flux at the plate thermometer at step i ($\left[\dot{q}''_{inc}\right]^i$, in W/m^2) is calculated using the measured temperature of the plate thermometer (T_{PT}, in K) and the gas temperature near the plate thermometer (T_{gas}, in K) as follows:

$$\left[\dot{q}''_{inc}\right]^i = \sigma\left[T_{PT}^4\right]^i - \frac{(h + K_{PT})\left(\left[T_{gas}\right]^i - \left[T_{PT}\right]^i\right) - C_{PT}\dfrac{\left[T_{PT}\right]^{i+1} - \left[T_{PT}\right]^{i-1}}{\left[t\right]^{i+1} - \left[t\right]^{i-1}}}{\varepsilon_{PT}}$$

The published results in both the report and data sets for heat flux are correct and not affected by the typos in the body of the report.

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