Errata

Report:


Author(s)

Joseph Su and Pier-Simon Lafrance
National Research Council of Canada
Ottawa, Ontario, Canada

Matthew Hoehler and Matthew Bundy
National Institute of Standards and Technology
Gaithersburg, MD USA

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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/m² (not W). The corrected text should read:

The incident heat flux at the plate thermometer at step \( i \) (\( q''_{inc} \), in W/m²) 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:

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

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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Phone: 617-984-7281
E-mail: foundation@nfpa.org
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