

CORRIGENDUM

Junsei Kondo and Dai Matsushima, 'A Simple Parameterization of Longwave Radiative Cooling with Application to the Atmospheric Boundary Layer for Clear Sky Conditions', *Boundary-Layer Meteorology* **64**: 209–229, 1993.

Parts to be corrected are numbered [1]–[5] below (before correction → after correction):

[1] Equation (9)

$$F'(r) \cong \{F'_{eq}(r) + 4\sigma T_s^3(T_a - T_s)f'_{an}(r)\}u_\infty^m.$$

$$\rightarrow F'(r) \cong \left\{ \frac{F'_{eq}(r)}{u_\infty^m} + 4\sigma T_s^3(T_a - T_s) \frac{f'_{an}(r)}{u_\infty^m} \right\} u_\infty^m.$$

[2] Equation (10)

$$f'_{an}(r) = \frac{F'(r)/u_\infty^m - F'_{eq}(r)}{4\sigma T_s^3(T_a - T_s)}. \rightarrow f'_{an}(r) = \frac{F'(r) - F'_{eq}(r)}{4\sigma T_s^3(T_a - T_s)}.$$

[3] Equation (11), right-hand side

$$\frac{f'_{an}(r)}{u_\infty^{0.35}} = 4\sigma T_s^3(T_a - T_s)(b_1 r^{b_2} + b_3 r^{b_4}). \rightarrow \frac{f'_{an}(r)}{u_\infty^{0.35}} = b_1 r^{b_2} + b_3 r^{b_4}.$$

[4] Equation (12), right-hand side

$$f'_{an} = 4\sigma T_s^3(T_a - T_s)(b_1 r^{b_2} + b_3 r^{b_4}). \rightarrow f'_{an}(r) = (b_1 r^{b_2} + b_3 r^{b_4}).$$

[5] Equation (13)

$$\frac{\partial F'_{H_2O}(r)}{\partial r} = 8.368 + 202.6r - 598.5r^2 + 538.0r^3 +$$

$$4\sigma T_s^3(T_a - T_s)(0.2835r^{-0.6999} - 0.2357r^{-0.6488}),$$

$$\rightarrow \frac{\partial F'_{H_2O}(r)}{\partial r} = u_\infty^{0.35} \{ 8.368 + 202.6r - 598.5r^2 + 538.0r^3 +$$

$$4\sigma T_s^3(T_a - T_s)(0.2835r^{-0.6999} - 0.2357r^{-0.6488}) \},$$