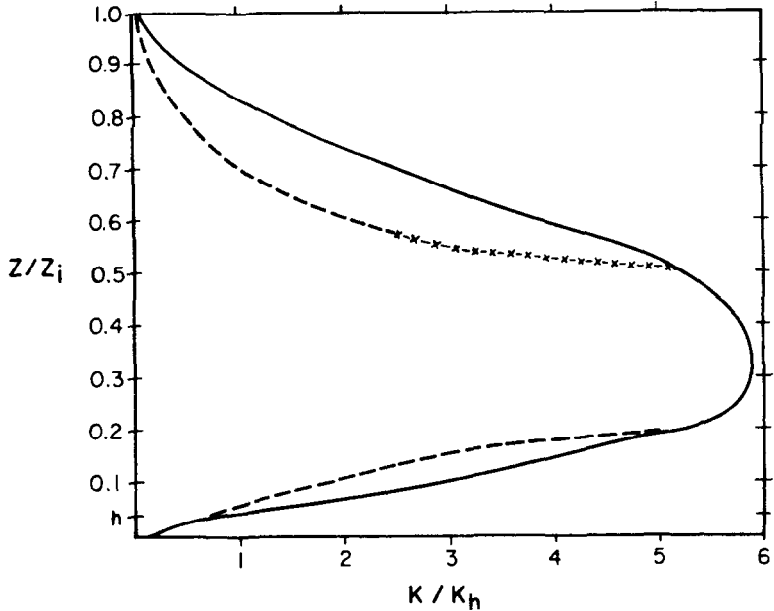


CORRIGENDUM

Pielke, R. A., Panofsky, H. A., Segal, M.: 1983, 'A Suggested Refinement for O'Brien's Convective-layer Eddy Exchange Coefficient Formulation', *Boundary-Layer Meteorology* **26**, 191-195.



Two typographical errors appear in the Note: (i) in Equation (4) the term in the parenthesis should be with a minus sign; (ii) in Equation (5) the minus sign before the $(z - h)$ term should be replaced with a plus sign.

An error appears in Equation (6) where the term $3/\beta$ should be replaced by $3/2\beta$. This error required the redrafting of Figure 1b - a corrected version is given in the Figure of this Corrigendum. As a result of the corrected analysis, Equation (8) has to be readjusted to the following form:

$$\left(\frac{K}{K_h}\right)_{\text{OBM}} = \left(\frac{K}{K_h}\right)_{\text{OB}} [59.42\alpha^2 - 14.26\alpha + 1.47] \quad 0.04 \leq \alpha < 0.2$$

$$\left(\frac{K}{K_h}\right)_{\text{OBM}} = \left(\frac{K}{K_h}\right)_{\text{OB}} \quad 0.2 \leq \alpha \leq 0.5$$

$$\left(\frac{K}{K_h}\right)_{\text{OBM}} = \left(\frac{K}{K_h}\right)_{\text{OB}} [10.17\alpha^2 - 15.24\alpha + 6.08] \quad 0.5 < \alpha \leq 1$$

As evident from the Figure, the conclusions regarding the adequacy of the O'Brien polynomial to parameterize the turbulent mixing of heat in a convective boundary layer are further strengthened as a result of this correction.

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