

Supplementary Appendix

$$L_{00} = \frac{\eta}{\sqrt{\pi}}$$

$$L_{01} = 1 + 2\eta^2$$

$$L_{02} = 1 + 2\eta^2 \text{Pr}$$

$$L_{03} = 1 + 2\eta^2 \text{Sc}$$

$$L_{04} = 10 + 4\eta^2$$

$$L_{05} = 3 + 12\eta^2 + 4\eta^4$$

$$L_1 = \text{erfc}(\eta)$$

$$L_2 = \text{erfc}(\eta\sqrt{\text{Pr}})$$

$$L_3 = \text{erfc}(\eta\sqrt{\text{Sc}})$$

$$L_4 = \exp(-\eta^2)$$

$$L_5 = \exp(-\eta^2 \text{Pr})$$

$$L_6 = \exp(-\eta^2 \text{Sc})$$