

Erratum: “A dynamic subgrid-scale eddy viscosity model” [Phys. Fluids A 3, 1760 (1991)]

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Erratum: "A dynamic subgrid-scale eddy viscosity model" [Phys. Fluids A 3, 1760 (1991)]

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Equation (13) should read

$$T_{ij} - (\delta_{ij}/3)T_{kk} \approx M_{ij} = -2C\tilde{\Delta}^2 |\tilde{S}| \tilde{S}_{ij} \quad (13)$$

Eq. (15) should read

$$\mathcal{L}_{ij} \bar{S}_{ij} = -2C(\tilde{\Delta}^2 |\tilde{S}| \tilde{S}_{ij} \bar{S}_{ij} - \tilde{\Delta}^2 |\tilde{S}| \tilde{S}_{ij} \bar{S}_{ij}); \quad (15)$$

Eq. (16) should read

$$C(y,t) = -\frac{1}{2} \frac{\langle \mathcal{L}_{kl} \bar{S}_{kl} \rangle}{\tilde{\Delta}^2 \langle |\tilde{S}| \tilde{S}_{mn} \bar{S}_{mn} \rangle - \tilde{\Delta}^2 \langle |\tilde{S}| \tilde{S}_{pq} \bar{S}_{pq} \rangle}; \quad (16)$$

and Eq. (17) should read

$$m_{ij} = \frac{\langle \mathcal{L}_{kl} \bar{S}_{kl} \rangle}{(\tilde{\Delta}/\Delta)^2 \langle |\tilde{S}| \tilde{S}_{mn} \bar{S}_{mn} \rangle - \langle |\tilde{S}| \tilde{S}_{pq} \bar{S}_{pq} \rangle} |\bar{S}| \bar{S}_{ij} \quad (17)$$

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