

Errata (2018-11-22)

This errata lists the errors and the corresponding corrections for the doctoral thesis,

”*Application of Uncertainty Quantification Techniques to Studies of Wall-Bounded Turbulent Flows*” By Saleh Rezaeiravesh

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- (1) Page 42, line 5: correct expression is,

$$\text{var}[f(\chi, \mathbf{q})] = \sum_{\substack{\mathbf{k} \\ |\mathbf{k}| \neq 0}} \hat{f}_{\mathbf{k}}^2(\chi) \gamma_{\mathbf{k}}.$$

- (2) Page 44, Eq. (4.10) should be corrected as,

$$S_i = \frac{\text{var}(\mathbb{E}(\mathcal{R}|q_i))}{\text{var}(\mathcal{R})}$$

- (3) Page 60, The following should be added to the caption of Figure 6.2.

The grid cell spacings in the wall-parallel directions vary as $10 \leq \Delta x^+ \leq 45$ and $7 \leq \Delta z^+ \leq 30$, see section IV.G in Paper II.