

Interactive comment on “Effect of self-stratification on sediment diffusivity in channel flows and boundary-layers: a study using Direct Numerical Simulations” by S. Dutta et al.

Anonymous Referee #1

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The authors present a very interesting research discussion on analysing the effect of Self-Stratification on Sediment Diffusivity in Flows. The comparison between Direct Numerical Simulation of the processes and those observed previously by different researchers provide a very result in the field of sediment transport and flow dynamics.

According to my opinion, the paper may be published without much modification except for a few grammatical corrections like changing statements like "... especially if you see the difference ..." (p. 935) to third person.

Interactive comment on Earth Surf. Dynam. Discuss., 1, 923, 2013.