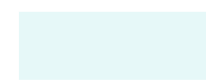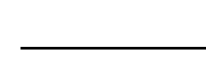$\hat{u}_x^a \pm \sigma_{u_x^a}$

deterministic, $N_p = 50$ truth

stochastic, $N_p = 50$