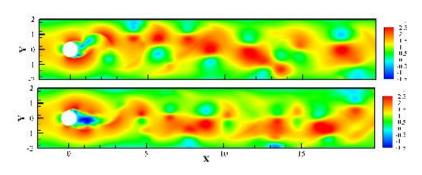
THE HONG KONG POLYTECHNIC UNIVERSITY 香港理工大學

2D Flow at Re=1,000

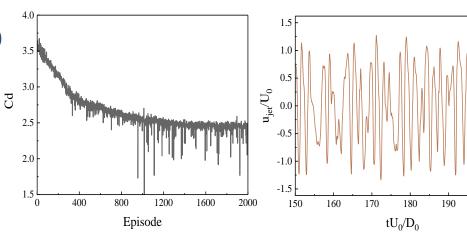
DEPARTMENT OF MECHANICAL ENGINEERING 機械工程學系

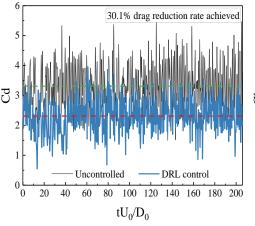
Training 2:

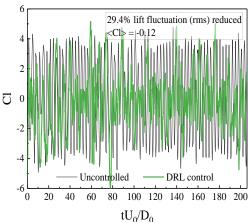
- Start from trained policy at Re = 100
- Best control is found at Ep=1289
- > Cd is reduced by 30.1%
- CI fluctuation is reduced by 29.4%
- ➤ Mean lift bias is small, i.e., -0.12



Instantaneous streamwise velocity field for uncontrolled (up) and DRL-controlled (down) case







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