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| Nota di contenuto       | Intro -- Other Publications -- Contents -- List of Figures -- List of Tables -- Nomenclature -- 1 Introduction -- 1.1 Motivation -- 1.2 Turbulent flows -- 1.3 Turbulent Boundary Layer -- 1.4 Problem statement -- 1.5 Study of Coherent Structures in Turbulent Boundary Layers -- 1.6 Flow Control Technique -- 1.7 Drag reduction mechanism -- 1.8 Present experiment -- 2 Moderate Reynolds number experiment -- 2.1 Experimental setup -- 2.2 Processing -- 2.3 Results -- 2.4 Conclusion -- 3 High Reynolds number experiment -- 3.1 Introduction -- 3.2 Experimental procedure -- 3.3 Micro-blowing results and discussion -- 3.4 Conclusion -- 4 Coherent motions -- 4.1 Experimental setup -- 4.2 Validation -- 4.3 Results -- 5 Concluding remarks -- 5.1 Moderate Reynolds number experiment -- 5.2 Spatially developed TBL at high Reynolds number -- 5.3 Coherent motions -- 5.4 Outlook -- Bibliography. |