Transport and Coherent Structures in Wall Turbulence

Description: Wall bounded turbulent flows are of major importance in industrial and environmental fluid mechanics. The structure of the wall turbulence is intrinsically related to the coherent structures that play a fundamental role in the transport process. The comprehension of their regeneration mechanism is indispensable for the development of efficient strategies in terms of drag control and near wall turbulence management. This book provides an up-to-date overview on the progress made in this specific area in recent years.

Contents:
INTRODUCTION xi
MAIN NOTATIONS xv
CHAPTER 1. GENERAL POINTS 1
1.1. Introduction 1
1.2. General equations 2
1.2.1. Eulerian relations 2
1.3. Notations 5
1.4. Reynolds equations 5
1.5. Exact relations in a fully developed turbulent channel flow 7
1.6. Equations for a turbulent boundary layer 12
1.7. Scales in a wall–bounded turbulent flow 14
1.8. Eddy viscosity closures 15
1.9. Turbulent intensities of the velocity components 32
1.10. Fine structure 38
1.11. Vorticity 42
1.11.1. Characteristics of vorticity field near to the wall 45
1.11.2. Turbulent intensities of the fluctuating vorticity components 52
CHAPTER 2. TRANSPORT PHENOMENA IN WALL TURBULENCE 55
2.1. Introduction 55
2.2. Transport equations 56
2.3. Models of return to isotropy 63
2.4. Transport of turbulent kinetic energy 66
2.5. Transport of the velocity gradient 73
2.6. Transport of the Reynolds stress –uv 75
2.7. Effects of the Reynolds number on transport 77
2.8. Dissipation 82
2.8.1. Dissipation of kinetic energy 82
2.8.2. Dissipation linked to the transport equations for the Reynolds stresses 87
2.9. Pressure 92
2.9.1. Wall pressure 93
2.9.2. Spectral density 95
2.9.3. Decomposition into slow and rapid components 101
2.10. Anisotropy 113
2.11. Rapid distortion 121

CHAPTER 3. NEAR–WALL COHERENT STRUCTURES: HISTORY, IDENTIFICATION AND DETECTION 129
3.1. Introduction 129
3.2. History 130
3.3. Single-point Eulerian detection 136
3.3.1. Detection in quadrant II 139
3.3.2. Detection by the u-level (u-I) 143
3.3.3. Detection by VITA and VISA 144
3.4. Stochastic estimation 148
3.5. Wavelets and wall turbulence 153
3.6. Critical points and topology 154
3.6.1. Critical points 154
3.6.2. Application of the concept of critical points to the topology of turbulence 157
3.6.3. Extension of the detection Q – 165
3.6.4. A few significant results relating to the topology of wall turbulence 169
3.7. Pressure field and vortices 176
3.8. Vorticity and vortices 179
3.9. Transport of invariants 182
3.10. Lambda–2 criterion 186
3.11. Relations between the topological invariants and the technique 188
3.12. Summary 192
3.13. Lagrangian detection 194

CHAPTER 4. COHERENT WALL STRUCTURES: DYNAMICS AND CONTRIBUTION TO TURBULENT ACTIVITY 199
5.7.5. Transient growth and bypass transition of the streaks 342
5.7.6. Nonlinear transient growth 348
5.8. Instability of streaks, their repercussions and self-maintaining of structures 351
5.9. Triggering of the mechanism 358
5.10. Formation of arch vortices. Generation of new streamwise structures 359
5.11. Discussion 360
5.12. A heuristic model 363

CHAPTER 6. LARGE- AND VERY LARGE-SCALE STRUCTURES 373
6.1. Introduction 373
6.2. Clusters of coherent structures 374
6.2.1. History 374
6.3. Characteristics of packets of structures at moderate Reynolds numbers 379
6.4. Kinematic consequences of coherent clustering of structures 381
6.5. Regeneration of the packets 389
6.6. Clustering of packets. Very large-scale motions 394
6.7. Amplitude modulation by very large-scale motions 398
6.8. Dynamic role of very large-scale motions 410

BIBLIOGRAPHY 423
INDEX 455

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