

Resume

Dr. Cunbiao Lee

Resume:



Cunbiao Lee earned his undergraduate degree from the Nanjing University of Aeronautics and Astronautics in 1984, his master's degree from the Institute of Mechanics, Chinese Academy of Sciences, in 1990, and his Ph.D. from the Beijing University of Aeronautics and Astronautics in 1995. He began his postdoctoral fellowship at the Institute of Atmospheric Physics, Chinese Academy of Sciences, in 1995, and in 1998, became an associate professor at Tsinghua University. Lee was promoted to full professor after joining the State Key Laboratory for Turbulence and Complex Systems at Peking University in 2001. He has authored over 100 technical papers, 4 books, and delivered more than 100 invited lectures and seminars. In 2005, he received the National Outstanding Young Scientist Award. In 2026, he was selected as the member of EU Academy of Science. He serves as the director of the State Key Laboratory for Turbulence & Complex Systems and holds an Editorial Advisory Board member of Physics of Fluids, after serving on the Editorial Advisory Board member of Experiments in Fluids. His research interests include

boundary-layer transition, hypersonic boundary-layer instability, dynamics of falling thin discs in water, near-wall PIV measurement, and nonlinear wave interaction. A member of the AIAA, Lee has spearheaded several major national projects, notably in the development of hypersonic quiet wind tunnels. He also participates in various major national science committees. He is an associated editor of AIAA J. now.

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Present Status

- Professor of the Department of Aeronautics and Astronautics, College of Engineering, Peking University;
- Director of State Key Laboratory for Turbulence and Complex Systems.

Education

- Ph. D. Beijing University of Aeronautics and Astronautics, China, 1995.
- Master, Institute of Mechanics, Chinese Academy of Sciences, China, 1990.
- Bachelor, Nanjing University of Aeronautics and Astronautics, China, 1984.

Career

- Director, State Key Laboratory for Turbulence and Complex Systems, 2020-Today.
- Executive Deputy Director, State Key Laboratory for Turbulence and Complex Systems, 2012-2020.
- Visiting Professor, University of Hongkong, 2005-2006.
- Visiting Professor, Johns Hopkins University, 2003-2004.
- Professor, Peking University, 2001-Today.
- Associate Professor, Tsinghua University, 1998-2001.
- Post-Doctoral Research Associate, Institute of Atmospheric Physics, Chinese Academy of Sciences, 1995-1998.
- Research Fellow, Aerodynamics Research Institute, China, 1984-1987.

Editorship

- Associate Editor, Science China: Physics, Mechanics & Astronomy, 2023-2027.

2023-2027.

- Associate Editor, AIAA Journal, 2018-Today.
- Member of Advisory Board, Physics of Fluids, 2017-Today.
- Associate Editor, Applied Mathematics and Mechanics (English Edition), 2015-Today.
- Associate Editor, Journal of Experiments in Fluid Mechanics, 2022-Today.
- Associate Editor, International Journal of Aeronautical and Space Sciences, 2011-Today.
- Member of Advisory Board, Experiments in Fluids, 2008-2012.

Committee Assignment

- Member of Science and Technology Committee of Ministry of Education of China
- Final Review Committee Member of National Science Found of China
- Committee Member of Ministry of Industry and Information Technology
- Committee Member of several national projects
- Vice Chairman of the China Aerodynamics Society

Professional Honors and Awards

- Chinese Academy of Sciences Science and Technology Progress Second Prize, 1998.
- National Science Fund for Distinguished Young Scholars, 2005.
- Highly Ranked Scholar by ScholarGPS (the top 0.05%), 2024.
- Member of EU Academy of Science, 2026

Research Profile

- Experimental research
- Boundary layer transition
- Hypersonic instability
- Turbulent boundary layer interaction
- Aerodynamic heating control

Contributions

1. Discovered the soliton-like coherent structure (SCS) that has since been regarded as a classical and original contribution to transition and turbulence research. The Royal Society Publishing Journal *Interface*

Focus identified this work as a classical study on the boundary layer transition.

2. Uncovered a new mechanism for hypersonic transition and proposed a new principle for aerodynamic heating. *Physics Today* highlighted the work as “a newly discovered mechanism can help keep the world’s fastest jets from overheating”.
3. Developed the tomo-PIV technique for resolving near-wall boundary-layer flows. The AIAA 2018 Annual Review recognized this original contribution and highlighted that “The IPX method was applied this year to investigate the initial growth of flow asymmetries over a slender body at high angles of attack to extract the high-frequency coherent flow structures in hypersonic boundary layers”. The U.S. Navy further acknowledged it as first application of burst-mode laser technology for particle image velocimetry of Mach 6 flat plate boundary layer instabilities.
4. Led the construction of the world’s largest hypersonic quiet wind tunnel.

Patents

1. Inventors: Zhou Yongwei, Lee Cunbiao; Patent name: Calculation method of suction flow mass rate of supersonic and hypersonic quiet wind tunnel nozzle; Grant year: 2019; Patent number: CN 106596038 B
2. Inventor: Lee Cunbiao; Patent name: Design method of hypersonic quiet wind tunnel nozzle and method for determining the transition position of the nozzle; Grant year: 2016; Patent number: CN 103954425 B
3. Inventor: Lee Cunbiao; Patent name: Method for expanding the quiet test area of a hypersonic quiet nozzle and hypersonic nozzle; Grant year: 2016; Patent number: CN 103954424 B
4. Inventor: Lee Cunbiao; Patent name: Hypersonic quiet nozzle and its determination method; Grant year: 2016; Patent number: CN 103926050 B
5. Inventors: Lee Cunbiao, Chen Junwei; Patent name: Tomographic particle image velocimetry suitable for gas-liquid interface; Grant year: 2020; Patent number: CN 110261642 B
6. Inventors: Lee Cunbiao, Chen Junwei; Patent name: Method for identifying the position of gas-liquid interface; Grant year: 2020; Patent number: CN 110231068 B
7. Inventors: Lee Cunbiao, Chen Junwei; Patent name: Totally reflective gas-liquid interface flow visualization method and gas-liquid interface position identification method; Grant year: 2020; Patent number: CN

110260945 B

8. Inventors: Lee Cunbiao, Chen Junwei; Patent name: Tomographic particle image velocimetry near free interface; Grant year: 2021; Patent number: CN 111024980 B

Invited Plenary Talks

1. Lee, C. B., From Modern Experimental Technology Development and Advanced Data Processing Methods to Scientific Discovery, 21-22 April 2023, The 13th National Academic Conference on Experimental Fluid Mechanics, Hefei. (Invited Plenary Talk)
2. Lee, C. B., New Principles of Aerodynamic Heating, 30-31 March 2023, The First “Linghang” Academic Forum of the Aviation Industry, Yangzhou. (Invited Plenary Talk)
3. Lee, C. B., Transition in hypersonic boundary layer, 21-23 October 2021, 3rd Global summit on Physics (GSP-2021), Prague, Czech Republic. (Invited Plenary Talk)
4. Lee, C. B., Key Questions about Turbulence in Aeroengines, 15-16 October 2020, Gas Turbine Engine Simulation Technology Development Forum, Shenyang. (Invited Plenary Talk)
5. Lee, C. B., New Principles of Aerodynamic Heating, 9 October 2020, The 12th Hypersonic Technology Seminar and Exchange Meeting, Kunming. (Invited Plenary Talk)
6. Lee, C. B., Transition in Hypersonic Wall-Bounded Flows, 14-19 July 2019, The 32nd International Symposium on Shock Waves (ISSW32), Singapore. (Invited Plenary Talk)
7. Lee, C. B., Hypersonic Boundary Layer Transition and Aerodynamic Thermal Protection, 29-30 March 2018, The 10th Hypersonic Technology Seminar and Exchange Conference, Hefei. (Invited Plenary Talk)
8. Lee, C. B., Freely Falling Disk, 18-20 Nov 2009, The 4th International Conference on Experimental mechanics, Singapore. (Invited Plenary Talk)
9. Lee, C. B., Transition in Boundary Layer, 21-25 September 2009, International Symposium on Turbulence, Peking University, Beijing, China. (Invited Plenary Talk)
10. Lee, C. B., Transition in Boundary Layer, 15-19 June 2009, The 3rd International Symposium on Physics of Fluids, Jiuzhaigou China. (Invited Plenary Talk)
11. Lee, C. B., On the Dynamics in Transitional Boundary Layer, 7-9 July

2008, The 2nd International Cavitation Forum 2008, University of Warwick, West Midlands, England. (Invited Plenary Talk)

12. Lee, C. B., Transition in a Boundary Layer, 11-14 June 2007, The 5th International Conference on Nonlinear Mechanics, Shanghai, China. (Invited Plenary Talk)

Invited Talks

13. Lee, C. B., Turbulent Production in Wall-bounded Flows, 6-8 April 2009, The 8th China-Japan Workshop on Turbulent Flows, Japan. (Invited Talk)
14. Lee, C. B., Transition and Turbulence, 8-12 September 2008, Workshop on Wall bounded shear flows, Isaac Newton Institute for Mathematical Sciences, University of Cambridge, Cambridge, England. (Invited Talk)
15. Lee, C. B., Transition in a Boundary Layer, 18-21 July 2006, Workshop on Fluid Turbulence, La Fonda Hotel, Santa FE, New Mexico, U.S.A. (Invited Talk)
16. Lee, C. B., Transition in Boundary Layer, 2-7 December 2004, International Conference on Mathematical Fluid Dynamics, Department of Mathematics and Statistics, University of Hyderabad. (Invited Talk)
17. Lee C. B., Nonlinear Instability and Transition in Three-Dimensional Boundary Layers, 17-20 July 1995, IUTAM Symposium, Manchester, U.K. (Invited Talk)
18. Lee C. B., Some Problems in the Shock Wave Turbulent Boundary Layer Interactions, 26-31 July 1993, IUTAM Symposium Potsdam, NY, U.S.A. (Invited Talk)

Important Seminars

1. Lee, C. B., Turbulence, 22 December 2021, Baidu's Weekly Seminar Series, Beijing. (Invited)

Recording:

https://drive.google.com/file/d/1_rON_Tmda565WVJb563F9bfM-wmV8-KI/view?usp=sharing

2. Lee, C. B., Soliton-like Coherent Structures (SCS) in Shear Flows, 17 February 2026, The General Simons Turbulence Seminar. (Invited by Prof. Gregory Eyink & Online)

Recording:

<https://uofi.box.com/s/rouewupmwpd3t28q3y4o0j4yk7qykr2n>

Published Books

1. Lee C B. Soliton/Like Coherent Structures in Fluid Mechanics: Celebrating 30 Years of Discovery. Springer Nature, 2026.
Link: <https://link.springer.com/book/10.1007/978-981-95-2441-9>
2. 李存标. 流体中的类孤立波：类孤立波发现 30 周年纪念文集, 科学出版社, 2026. (accepted)
3. Lee C B, Zhu Y D, Wu P Y. Experiments in Fluids, De Gruyter Brill, 2026. (accepted)
4. Lee C B. New Principles for Aerodynamic Heating in Hypersonic Boundary Layers, De Gruyter Brill, 2026. (accepted)

Published Journal Articles

5. Lee C B. Ten lectures on turbulence: 1. turbulent structures[J]. *Transport Phenomena*, 2026.
6. Chen S Y, Deng X G and Lee C B. Soliton/like coherent structures: a key to opening the door to turbulence[J]. *National Science Review*, 2026, 13, nwaf535.
7. Yuan H, Yu G, Cai C, Zhu Y, Lee C. Novel thermoelectric-generators-based design for aerodynamic heat management: A preliminary study[J]. *Aerospace Science and Technology*, 2025: 111496.
8. Hu N, Lee C. Solitons-Like Coherent Structures in Shear Flows[J]. *Fluid Dynamics & Materials Processing*, 2025, 21(10): 2389.
9. Hu N, Zhu Y D, Lee C B, Smith C R. Experimental and numerical investigation of turbulent spots in a flat plate boundary layer[J]. *Journal of Fluid Mechanics*, 2025, 1008: A37.
10. Wang X, Zhou B, Zhao Z, Wu P, Lee C. Measurement of the second-mode's propagation velocity in the hypersonic boundary layers of a flared cone with dual-frame focusing schlieren and optical flow velocimetry[J]. *Aerospace Science and Technology*, 2025, 162: 110216.
11. Yang C, Feng Z, Lee C. Self-organized oblique waves upstream of the leading edge of a flat plate[J]. *Physics of Fluids*, 2025, 37(2).
12. Wu P, Gu D, Jiang X, Lee C. Three-dimensional wave structure within the puff of pipe flow[J]. *Physics of Fluids*, 2025, 37(2).
13. Hu N, Du B, Lee C. Internal structures of turbulent spots[J]. *Physics of Fluids*, 2025, 37(2).
14. Feng Z, Cai C, Lee C, Yang D. Investigation of an overlap of heating peaks in the hypersonic boundary layer over a blunt cone[J]. *Physical Review Fluids*, 2024, 9(7): L071901.
15. Qiu, H., Shi, M., Zhu, Y., Lee, C. Boundary layer transition of

- hypersonic flow over a delta wing[J]. *Journal of Fluid Mechanics*, 2024, 980, A57.
16. Ullah, H., Qiu, H., Yu, G., Ijaz Khan, M., Lee, C. Exploring the boundary layer transition of hypersonic flow over a compound delta wing[J]. *Physics of Fluids*, 2024, 36(3).
 17. Yu, J., Chen, W., Huang, X., Zhu, Y., Lee, C. An effective control strategy for transitional hypersonic boundary layers[J]. *Physics of Fluids*, 2023, 35(9).
 18. Hao Y M, Lee C B, Cai Q D. The dynamic feedback cycle of the two-dimensional Kármán vortex street[J]. *Physics of Fluids*, 2023, 35(2).
 19. Zhu W K, Gu D W, Si W F, Zhang M J, Chen S Y, Smith C R, Zhu Y D, Lee C B. Instability evolution in the hypersonic boundary layer over a wavy wall[J]. *Journal of Fluid Mechanics*, 2022, 943: A16.
 20. Zhu Y D, Zhu W K, Gu D W, Lee C B, Smith C R. Transitional flow structures in heated hypersonic boundary layers[J]. *Physics of Fluids*, 2022, 34(5): 054114.
 21. Zhu W K, Gu D W, Si W F, Chen S Y, Zhu Y D, Lee C B. Reduced aerodynamic heating in a hypersonic boundary layer by a wavy wall[J]. *Science Bulletin*, 2022, 67: 988-990.
 22. Zhu W K, Gu D W, Zhu Y D, Lee C B. Generation of acoustic waves in the hypersonic boundary layer over a wavy wall[J]. *Science China Physics, Mechanics & Astronomy*, 2022, 65(3): 234711.
 23. Yu J M, Chen W Q, Zhou T, Lee C B, Huang X. Transient analysis of trailing edge noise assisted by wavelet-based beamforming and flow visualisation[J]. *Journal of Sound and Vibration*, 2022, 526: 116751.
 24. Yu J M, Zhu Y D, Gu D W, Lee C B. A thermoacoustic heat pump driven by acoustic waves in a hypersonic boundary layer[J]. *Physics of Fluids*, 2022, 34: 011703.
 25. Zhang M J, Si W F, Lee C B. Heat Transfer and Recovery Factor of Aerodynamic Heating on a Flared Cone[J]. *AIAA Journal*, 2021, 59: 4284-4292.
 26. Zhu Y D, Zhu W K, Gu D W, Lee C B, Smith C R. Characteristics of transition to turbulence over a Mach 6 flared cone[J]. *Physics of Fluids*, 2021, 33: 101708.
 27. Zhu Y D, Zhu W K, Gu D W, Lee C B, Smith C R. Hypersonic transition over a heated wall[J]. *Physics of Fluids*, 2021, 33: 101706.
 28. Chen S, Lee C B. Effect of cavity on hypersonic flat-plate boundary layer instability[J]. *Physics of Fluids*, 2021, 33: 084109.
 29. Huang G L, Si W F, Lee C B. Early stage evolution of naturally developing Görtler streaks[J]. *Physics of Fluids*, 2021, 33: 061706.
 30. Zou T D, Lee C B. The effect of the wake on the separated boundary layer in a two-stage compressor[J]. *Physics of Fluids*, 2021, 33: 034125.

31. Huang G L, Si W F, Lee C B. Inner structures of Görtler streaks[J]. *Physics of Fluids*, 2021, 33: 034116.
32. Jiang X Y, Gu D W, Lee C B, Smith C R, Linden P F. A metamorphosis of three-dimensional wave structure in transitional and turbulent boundary layers[J]. *Journal of Fluid Mechanics*, 2021, 914: A4.
33. Zhu Y D, Gu D W, Zhu W K, Lee C B, Oran E S. Dilatational-wave-induced aerodynamic cooling in transitional hypersonic boundary layers[J]. *Journal of Fluid Mechanics*, 2021, 911: A36.
34. Jiang X Y, Lee C B, Chen X, Smith C R, Linden P F. Structure evolution at early stage of boundary-layer transition: simulation and experiment[J]. *Journal of Fluid Mechanics*, 2020: 890: A11.
35. Jiang X Y, Lee C B, Smith C R, Chen J W, Linden P F. Experimental study on low-speed streaks in a turbulent boundary layer at low Reynolds number[J]. *Journal of Fluid Mechanics*, 2021, 903: A6.
36. *Shu C, Cai J S, Zhao N, Lee C B, Xi H D. Papers selected from the 8th International Symposium on Physics of Fluids, Xi'an, China, 2019[J]. *Physics of Fluids*, 2020, 32: 100401.
37. Zhu W K, Chen X, Zhu Y D, Lee C B. Nonlinear interactions in the hypersonic boundary layer on the permeable wall[J]. *Physics of Fluids*, 2020, 32: 104110.
38. Zhu Y D, Yuan H J, Lee C B. Ultrafast tomographic particle image velocimetry investigation on hypersonic boundary layers[J]. *Physics of Fluids*, 2020, 32: 094103.
39. Zhang Y C, Li C, Lee C B. Influence of glow discharge on evolution of disturbance in a hypersonic boundary layer: The effect of Second mode[J]. *Physics of Fluids*, 2020, 32: 071702.
40. Zhu Y D, Zhu W K, Gu D W, Chen S Y, Lee C B, Oran E S. Acoustic-wave-induced cooling in onset of hypersonic turbulence[J]. *Physics of Fluids*, 2020, 32: 061702.
41. Li C, Zhang Y C, Lee C B. Influence of glow discharge on evolution of disturbance in a hypersonic boundary layer: The effect of first mode[J]. *Physics of Fluids*, 2020, 32: 051701.
42. Shi M T, Zhu W K, Lee C B. Engineering model for transition prediction based on a hypersonic quiet wind tunnel[J]. *AIAA Journal*, 2020, 58: 3476-3485.
43. Zhu W K, Shi M T, Zhu Y D, Lee C B. Experimental study of hypersonic boundary layer transition on a permeable wall of a flared cone[J]. *Physics of Fluids*, 2020, 32: 011701.
44. Liu Y, Jiang X Y, Lee C B, Hu H. An experimental study on the spatiotemporal evolution of sand waves/ripples in turbulent boundary layer airflow[J]. *Physics of Fluids*, 2020, 32: 063304.
45. Zou T D, Lee C B. Rotor boundary layer development in a two-stage

- compressor[J]. *Physics of Fluids*, 2019, 31: 123606.
46. Si W F, Huang G L, Zhu Y D, Chen S Y, Lee C B. Hypersonic aerodynamic heating over a flared cone with wavy wall[J]. *Physics of Fluids*, 2019, 31: 051702.
 47. Lee C B, Jiang X Y. Flow structures in transitional and turbulent boundary layers[J]. *Physics of Fluids*, 2019, 31: 111301.
 48. Zhu Y D, Jiang X Y, Zhang Y C, Lee C B. Iterative PIV interrogation for complex wall-bounded flows[J]. *Measurement Science and Technology*, 2019, 30(9): 095302.
 49. Huang Y N, Su W D, Lee C B. On the Weissenberg effect of turbulence[J]. *Theoretical & Applied Mechanics Letters*, 2019, 9(4): 236-245.
 50. *Lee C B, Xiao Z L, Chen S Y. Preface: symposium on turbulence structures and aerodynamic heat/force (STSAHF2018)[J]. *Applied Mathematics and Mechanics*, 2019, 40(2): 181-184.
 51. Chen X, Huang G L, Lee C B. Hypersonic boundary layer transition on a concave wall: stationary Görtler vortices[J]. *Journal of Fluid Mechanics*, 2019, 865: 1-40.
 52. Jiang X, Lee C B. Numerical simulation of K-, N- and O-regime boundary layer transition at early nonlinear stage[J]. *INCAS Bulletin*, 2019, 11(3): 77-86.
 53. Lee C B, Chen S Y. Recent progress in the study of transition in the hypersonic boundary layer[J]. *National Science Review*, 2018, 6(1): 155-170.
 54. Yang L M, Shu C, Yang W M, Wang Y, Lee C B. An implicit simplified sphere function-based gas kinetic scheme for simulation of 3D incompressible isothermal flows[J]. *Computers & Fluids*, 2018, 160: 204-218.
 55. Zhu Y D, Chen X, Wu J Z, Chen S Y, Lee C B, Gad-el-Hak M. Aerodynamic heating in transitional hypersonic boundary layers: role of second-mode instability[J]. *Physics of Fluids*, 2018, 30(1): 011701.
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 57. Zhu Y D, Lee C B, Chen X, Wu J Z, Chen S Y, Gad-el-Hak M. Newly identified principle for aerodynamic heating in hypersonic flows[J]. *Journal of Fluid Mechanics*, 2018, 855: 152-180.
 58. *Shu C, Lee C B, Zhao N. Preface to Special Topic: Papers Selected from the 7th International Symposium on Physics of Fluids, Guiyang, China, 2017[J]. *Physics of Fluids*, 2018, 30(4): 040801.
 59. Lee C B, Liu T G, Reis T, Tian B L, Krafczyk M, Luo L S. Mesoscopic Methods in Engineering and Science[J]. *Computers &*

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61. Jia L C, Zhu Y D, Jia Y X, Yuan H J, Lee C B. Image-processing method for near-wall PIV measurements around a moving interface[J]. *Measurement Science and Technology*, 2017, 28: 035201.
62. Zhang C H, Lee C B. Rayleigh-scattering visualization of the development of second-mode waves[J]. *Journal of Visualization*, 2016, 20(1): 7-12.
63. Zhu Y D, Zhang C H, Chen X, Yuan H J, Wu J Z, Chen S Y, Lee C B, Gad-el-Hak M. Transition in hypersonic boundary layers: role of dilatational waves[J]. *AIAA Journal*, 2016, 54 (10): 3039-3049.
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66. Zhu Y D, Yuan H J, Lee C B. Experimental investigations of the initial growth of flow asymmetries over a slender body of revolution at high angles of attack[J]. *Physics of Fluids*, 2015, 27: 084103.
67. Chen S Y, Chen Y C, Xia Z H, Qu K, Shi Y P, Xiao Z L, Liu Q H, Cai Q D, Liu F, Lee C B, Zhang R K, Cai J S. Constrained large-eddy simulation and detached eddy simulation of flow past a commercial aircraft at 14 degrees angle of attack[J]. *Science China Physics, Mechanics and Astronomy*, 2013, 56(2): 270-276.
68. Zhang C H, Tang Q, Lee C B. Hypersonic boundary-layer transition on a flared cone[J]. *Acta Mechanica Sinica*, 2013, 29(1): 48-53.
69. Lee C B, Su Z, Zhong H J, Chen S Y, Zhou M D, Wu J Z. Experimental investigation of freely falling thin disks. Part 2: Transition of three-dimensional motion from zigzag to spiral[J]. *Journal of Fluid Mechanics*, 2013, 732: 77-104.
70. Zhu Y D, Yuan H J, Zhang C H, Lee C B. Image preprocessing method for near-wall particle image velocimetry (PIV) image interrogation with very large in-plane displacement[J]. *Measurement Science and Technology*, 2013, 24: 125302.
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77. Zhong H J, Chen S Y, Lee C B. Experimental study of freely falling thin disks: Transition from planar zigzag to spiral[J]. *Physics of Fluids*, 2011, 23: 011702.
78. Peng M, Lee C B. Frontal instability of lock-exchange gravity currents[J]. *Modern Physics Letters B*, 2010, 24 (13): 1369-1372.
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80. Peng H W, Lee C B. Periodic tripling and jet eruption of forced steep gravity waves[J]. *Modern Physics Letters B*, 2009, 23(3): 397-400.
81. Lee C B, Wu J Z. Transition in wall-bounded flows[J]. *Applied Mechanics Reviews*, 2008, 61: 030802.
82. Peng H W, Li R Q, Cheng S Z, Lee C B. Correlation dimension analysis and capillary wave turbulence in Dragon-Wash phenomena[J]. *Chinese Physics B*, 2008, 17(2): 637-643.
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85. Peng H W, Yuan H J, Wang D J, Lee C B. Experimental studies on dragon wash phenomena[J]. *Journal of Hydrodynamics*, 2006, 18(3): 507-510.
86. Lee C B, Li R Q. Recent progress in dynamics of boundary layer transition[J]. *Journal of Hydrodynamics*, 2006, 18(3): 26-30.
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93. Lee C B, Lee R Q. On the dynamics in a transitional boundary layer[J]. *Communications in Nonlinear Science and Numerical Simulation*, 2001, 6(3): 111-171.
94. Lee C B. Possible universal transitional scenario in a flat plate boundary layer: Measurement and visualization[J]. *Physical Review E*, 2000, 62(3): 3659-3670.
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Note: Marked * indicates those who participated in editing the collection of papers.