

Experimental investigation of global structures in an incompressible turbulent flow using time-resolved PIV

Experiments in Fluids

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Flow coherent structures and frequency signature: application of the dynamic modes decomposition to open cavity flow. Journal of Physics: Conference Series, 2011, 318, 042036.	0.4	18
2	Particle Image Velocimetry of a Three-Dimensional Supersonic Cavity Flow. , 2012, , .		10
3	A domain decomposition matrix-free method for global linear stability. Computers and Fluids, 2012, 66, 63-84.	2.5	13
4	An error analysis of the dynamic mode decomposition. Experiments in Fluids, 2012, 52, 529-542.	2.4	131
5	Spatio-temporal analysis of the turbulent flow in a ribbed channel. International Journal of Heat and Fluid Flow, 2013, 44, 181-196.	2.4	26
6	Interaction between feedback aeroacoustic and acoustic resonance mechanisms in a cavity flow: a global stability analysis. Journal of Fluid Mechanics, 2013, 717, 134-165.	3.4	70
7	Space-time aspects of a three-dimensional multi-modulated open cavity flow. Physics of Fluids, 2013, 25, .	4.0	41
8	Supersonic Flow over a Finite-Width Rectangular Cavity. , 2013, , .		14
9	Investigating mode competition and three-dimensional features from two-dimensional velocity fields in an open cavity flow by modal decompositions. Physics of Fluids, 2014, 26, .	4.0	18
10	Self-sustained oscillations of shallow flow past sequential cavities. Journal of Fluid Mechanics, 2014, 758, 655-685.	3.4	17
11	On the modulating effect of three-dimensional instabilities in open cavity flows. Journal of Fluid Mechanics, 2014, 759, 546-578.	3.4	21
12	Velocity field and parametric analysis of a subsonic, medium-Reynolds number cavity flow. Experiments in Fluids, 2014, 55, 1.	2.4	6
13	Three-dimensional instabilities over a rectangular open cavity: from linear stability analysis to experimentation. Journal of Fluid Mechanics, 2014, 748, 189-220.	3.4	53
14	On linear instability mechanisms in incompressible open cavity flow. Journal of Fluid Mechanics, 2014, 752, 219-236.	3.4	35
15	Numerical Investigation on Frequency Jump of Flow Over a Cavity Using Large Eddy Simulation. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	1.5	3
16	Fourier mode decomposition of PIV data. Science China Technological Sciences, 2015, 58, 1935-1948.	4.0	34
17	Instability and Control of Massively Separated Flows. Fluid Mechanics and Its Applications, 2015, , .	0.2	1
18	Supersonic Flow over a Finite-Width Rectangular Cavity. AIAA Journal, 2015, 53, 296-310.	2.6	53

#	ARTICLE	IF	CITATIONS
19	Frequency-selection mechanism in incompressible open-cavity flows via reflected instability waves. Physical Review E, 2015, 91, 013005.	2.1	10
20	Pulse-burst PIV in a high-speed wind tunnel. Measurement Science and Technology, 2015, 26, 095305.	2.6	68
21	Pulse-Burst PIV in a High-Speed Wind Tunnel. , 2015, , .		9
22	Compressibility effects in the shear layer over a rectangular cavity. Journal of Fluid Mechanics, 2016, 808, 116-152.	3.4	29
23	On the near wake of a simplified heavy vehicle. Journal of Fluids and Structures, 2016, 66, 293-314.	3.4	43
24	The onset of centrifugal instability in an open cavity flow. Fluid Dynamics Research, 2016, 48, 061410.	1.3	2
25	Time-resolved and time-averaged stereo-PIV measurements of a unit-ratio cavity. Experiments in Fluids, 2016, 57, 1.	2.4	21
26	A numerical study of the saturation process in an open cavity flow. , 2016, , .		0
27	Resonance Characteristics of Transonic Flow over a Rectangular Cavity using Pulse-Burst PIV. , 2016, , .		10
28	Flow regimes in a trapped vortex cell. Experiments in Fluids, 2016, 57, 1.	2.4	1
29	A dynamic mode decomposition of the saturation process in the open cavity flow. Aerospace Science and Technology, 2016, 52, 198-206.	4.8	26
30	Nonlinear dynamics and hydrodynamic feedback in two-dimensional double cavity flow. Journal of Fluid Mechanics, 2017, 813, 1-22.	3.4	18
31	Resonance Dynamics in Compressible Cavity Flows using Time-Resolved Particle Image Velocimetry and Pressure Sensitive Paint. , 2017, , .		6
32	Experimental study of double-cavity flow. Experiments in Fluids, 2017, 58, 1.	2.4	13
33	Aerodynamic features of a two-airfoil arrangement. Experiments in Fluids, 2017, 58, 1.	2.4	12
34	Resonance dynamics in compressible cavity flows using time-resolved velocity and surface pressure fields. Journal of Fluid Mechanics, 2017, 830, 494-527.	3.4	16
35	Wake characterization methods of a circulation control wing. Experiments in Fluids, 2017, 58, 1.	2.4	9
36	Spatial Distribution of Resonance in the Velocity Field for Transonic Flow over a Rectangular Cavity. AIAA Journal, 2017, 55, 4203-4218.	2.6	13

#	ARTICLE	IF	CITATIONS
37	Frequency Modulation and Erosion Performance of a Self-Resonating Jet. Applied Sciences (Switzerland), 2017, 7, 932.	2.5	11
38	Numerical investigation of the saturation process in an incompressible cavity flow. Journal of Fluid Mechanics, 2018, 837, 182-209.	3.4	4
39	Bifurcation analysis and frequency prediction in shear-driven cavity flow. Journal of Fluid Mechanics, 2019, 875, 725-757.	3.4	24
40	Data-Driven Dynamical Systems. , 2019, , 229-275.		2
41	Linear Control Theory. , 2019, , 276-320.		3
42	Balanced Models for Control. , 2019, , 321-344.		0
43	Data-Driven Control. , 2019, , 345-372.		2
44	Reduced Order Models (ROMs). , 2019, , 375-402.		2
45	Interpolation for Parametric ROMs. , 2019, , 403-435.		0
50	Singular Value Decomposition (SVD). , 2019, , 3-46.		10
51	Fourier and Wavelet Transforms. , 2019, , 47-83.		3
52	Sparsity and Compressed Sensing. , 2019, , 84-114.		2
53	Regression and Model Selection. , 2019, , 117-153.		1
54	Clustering and Classification. , 2019, , 154-194.		0
55	Neural Networks and Deep Learning. , 2019, , 195-226.		2
56	Isothermal and non-isothermal flow in street canyons: A review from theoretical, experimental and numerical perspectives. Building and Environment, 2020, 184, 107163.	6.9	60
57	Experimental investigation of turbulent flow in a two-pass channel with different U-shaped bends. AIP Advances, 2020, 10, 065311.	1.3	6
58	Self-sustained oscillation of the flow in a double-cavity channel: a time-resolved PIV measurement. Journal of Visualization, 2020, 23, 245-257.	1.8	5

#	ARTICLE	IF	CITATIONS
59	Oscillatory flow around a vertical wall-mounted cylinder: Dynamic mode decomposition. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
60	Wake-induced transition in the low-Reynolds-number flow over a multi-element airfoil. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	3.4	12
61	Temporal and spatial evolution of cavitating bubbles and coherent structures in a confined submerged jet shear layer. <i>Engineering Computations</i> , 2021, 38, 4111-4135.	1.4	1
62	Aspect ratio and the dynamic wake of the Ahmed body. <i>Experimental Thermal and Fluid Science</i> , 2022, 130, 110457.	2.7	9
63	Time-Stepping and Krylov Methods for Large-Scale Instability Problems. <i>Computational Methods in Applied Sciences</i> (Springer), 2019, , 33-73.	0.3	11
65	Study of dynamics in post-transient flows using Koopman mode decomposition. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	59
66	Closed-Loop Analysis and Control of Cavity Shear Layer Oscillations. <i>International Journal of Flow Control</i> , 2014, 6, 171-187.	0.4	2
67	Three-Dimensional Waves Inside an Open Cavity and Interactions with the Impinging Shear Layer. <i>Fluid Mechanics and Its Applications</i> , 2015, , 209-214.	0.2	0
68	Stereoscopic TR PIV measurement and POD analysis of flow behind the turbine prototype of model size. <i>MATEC Web of Conferences</i> , 2018, 168, 05002.	0.2	0
69	HYDRODYNAMIC CHARACTERISTICS OF VORTEX MOTION INSIDE THE HEMISPHERICAL DIMPLE. <i>Mechanics and Advanced Technologies</i> , 2018, 84, .	0.1	0
70	Nonlinear delayed feedback model for incompressible open cavity flow. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	3
71	Modern Koopman Theory for Dynamical Systems. <i>SIAM Review</i> , 2022, 64, 229-340.	9.5	109
72	Boundary layer wind tunnel tests of outdoor airflow field around urban buildings: A review of methods and status. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112717.	16.4	21
73	Characteristics of Oscillation in Cavity of Helmholtz Nozzle Generating Self-excited Pulsed Waterjet. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022, 35, .	3.7	6
74	Suppression of self-sustained oscillations of incompressible flow over aperture-cavities and its mechanisms. <i>Journal of Hydrodynamics</i> , 2022, 34, 876-892.	3.2	0
75	Wake-triggered secondary vortices over a cylinder/airfoil configuration. <i>Experiments in Fluids</i> , 2023, 64, .	2.4	4
76	Residual dynamic mode decomposition: robust and verified Koopmanism. <i>Journal of Fluid Mechanics</i> , 2023, 955, .	3.4	18
77	Effects of structural elasticity on the flow-induced cavity tone in water. <i>Journal of Physics: Conference Series</i> , 2023, 2458, 012034.	0.4	0

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78	Active control of pressure fluctuations in an incompressible turbulent cavity flow. Aerospace Science and Technology, 2023, 141, 108512.	4.8	2
79	Rigorous data-driven computation of spectral properties of Koopman operators for dynamical systems. Communications on Pure and Applied Mathematics, 2024, 77, 221-283.	3.1	3
80	Vortex dynamics and boundary layer transition in flow around a rectangular cylinder with different aspect ratios at medium Reynolds number. Journal of Fluid Mechanics, 2024, 982, .	3.4	0