

VOLUME 367

25 JULY 1998

Journal of Fluid Mechanics

Now Online

<http://www.journals.cup.org>

Ref: BLO9SEPT97 PF 071197/ Df: 26521709
JOURNAL OF FLUID MECHANICS
25.07.98 Vol: 367
0022-1120 21872678 31.07.98
LIBRIS
144 BLVD Krim BELKACEM
ALGER
ALGERIE

 CAMBRIDGE
UNIVERSITY PRESS

E. J. Zuercher, J. W. Jacobs & C. F. Chen	Experimental study of the stability of boundary layer flow along a heated, inclined plate	page 1
Ø. Andreassen, P. Ø. Hvidsten, D. C. Fritts & S. Arendt	Vorticity dynamics in a breaking internal gravity wave. Part 1. Initial instability evolution	27
D. C. Fritts, S. Arendt & Ø. Andreassen	Vorticity dynamics in a breaking internal gravity wave. Part 2. Vortex interactions and transition to turbulence	47
S. A. Arnette, M. Samimy & G. S. Elliott	The effects of expansion on the turbulence structure of compressible boundary layers	67
M. L. Banner & X. Tian	On the determination of the onset of breaking for modulating surface gravity water waves	107
I. H. Cho & M. H. Kim	Interactions of a horizontal flexible membrane with oblique incident waves	139
F. Mashayek	Droplet-turbulence interactions in low-Mach-number homogeneous shear two-phase flows	163
X. Chen, T. Shi, Y. Tian, J. Jankovsky, R. G. Holt & R. E. Apfel	Numerical simulation of superoscillations of a Triton-bearing drop in microgravity	205
I. Kim, S. Elghobashi & W. A. Sirignano	On the equation for spherical-particle motion: effect of Reynolds and acceleration numbers	221
R. D. Moser, M. M. Rogers & D. W. Ewing	Self-similarity of time-evolving plane wakes	255
L. Ong & J. M. Wallace	Joint probability density analysis of the structure and dynamics of the vorticity field of a turbulent boundary layer	291
W. Zhang & H. A. Stone	Oscillatory motions of circular disks and nearly spherical particles in viscous flows	329
N. R. McDonald	The motion of an intense vortex near topography	359
BOOK REVIEWS		
<i>A Modern Introduction to the Mathematical Theory of Water Waves, by R. S. Johnson</i>		378
SHORT NOTICES		379
INDEX TO VOLUME 367		382

Now Online

<http://www.journals.cup.org>

CAMBRIDGE
UNIVERSITY PRESS

