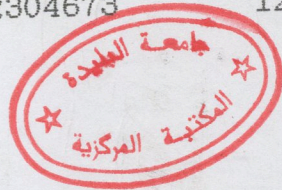


VOLUME 466

10 SEPTEMBER 2002

# Journal of Fluid Mechanics

Ref: BT PF 160102/09 Df: 31146511  
JOURNAL OF FLUID MECHANICS  
10.09.02 Vol: 466  
0022-1120 22304673 12.09.02  
EDITIONS CHIHAB  
ZI. LOT B5  
B.P.744 REGHAIA  
GG ALGER  
ALGERIE



**CAMBRIDGE**  
UNIVERSITY PRESS

G. Huang & M. G. Velarde	Capillary-gravity similtions in a liquid layer	1
B. Bunner & G. Tryggvason	Dynamics of homogeneous bubbly flows. Part 1. Rise velocity and microstructure of the bubbles	17
B. Bunner & G. Tryggvason	Dynamics of homogeneous bubbly flows. Part 2. Velocity fluctuations	53
O. K. Matar, R. V. Craster & M. R. E. Warner	Surfactant transport on highly viscous surface films	85
H.-H. Wei & D. S. Rumschitzki	The linear stability of a core-annular flow in an asymptotically corrugated tube	113
H.-H. Wei & D. S. Rumschitzki	The weakly nonlinear interfacial stability of a core-annular flow in a corrugated tube	149
A. R. Kasimov & D. S. Stewart	Spinning instability of gaseous detonations	179
F. Paparella & W. R. Young	Horizontal convection is non-turbulent	205
F. Sotiropoulos, D. R. Webster & T. C. Lackey	Experiments on Lagrangian transport in steady vortex-breakdown bubbles in a confined swirling flow	215
S. Kumar & O. K. Matar	Instability of long-wavelength disturbances on gravity-modulated surfactant-covered thin liquid layers	249
Y. Tomita, P. B. Robinson, R. P. Tong & J. R. Blake	Growth and collapse of cavitation bubbles near a curved rigid boundary	259
M. J. Hancock & J. W. M. Bush	Fluid pipes	285
M. S. Longuet-Higgins & D. A. Drazen	On steep gravity waves meeting a vertical wall: a triple instability	305
O. Lorillu, R. Weber & J. Hureau	Numerical and experimental analysis of two-dimensional separated flows over a flexible sail	319
C. Geindreau & J.-L. Auriault	Magnetohydrodynamic flows in porous media	343
P. Bagchi & S. Balachandar	Steady planar straining flow past a rigid sphere at moderate Reynolds number	365
BOOK REVIEWS		
	<i>Efficient Solvers for Incompressible Flow Problems</i> , by S. Turek; <i>Spectral/hp Methods for CFD</i> , by G. E. Karniadakis & S. J. Sherwin	408
SHORT NOTICES		
INDEX TO VOLUME 466		411
SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS		412

