

CONTENTS

Y. BENVENISTE	<i>pages</i> 1–22
Exact connections between polycrystal and crystal properties in two-dimensional polycrystalline aggregates	
P. S. P. COWPERTWAIT	23–37
A generalized point process model for rainfall	
J. DESROCHES, E. DETOURNAY, B. LENOACH, P. PAPANASTASIOU, J. R. A. PEARSON, M. THIERCELIN & A. CHENG	39–48
The crack tip region in hydraulic fracturing†	
S. N. LANE, K. S. RICHARDS & J. H. CHANDLER	49–63
Application of distributed sensitivity analysis to a model of turbulent open channel flow in a natural river channel†	
O. P. BRUNO & F. REITICH	65–76
Maxwell equations in a nonlinear Kerr medium†	
M. B. MACKAPLOW, E. S. G. SHAQFEH & R. L. SCHIEK	77–110
A numerical study of heat and mass transport in fibre suspensions†	
E. R. DE LOS RIOS, X. J. XIN & A. NAVARRO	111–134
Modelling microstructurally sensitive fatigue short crack growth†	
R. SURESHKUMAR, A. N. BERIS & M. AVGOUSTI	135–153
Non-axisymmetric subcritical bifurcations in viscoelastic Taylor–Couette flow†	
M. J. METCALF, J. H. MERKIN & S. K. SCOTT	155–174
Oscillating wave fronts in isothermal chemical systems with arbitrary powers of autocatalysis†	
A. N. NORRIS	175–188
Dynamic Green's functions in anisotropic piezoelectric, thermoelastic and poroelastic solids†	
I. C. PERCIVAL	189–209
Primary state diffusion	

† These papers were produced from the authors' disks by the T_EX typesetting system.