Research articles

Including dispersion interactions in the ONETEP program for linear-scaling density functional theory calculations
Q. Hill & C.-K. Skylaris

Reticulated tubes: effective elastic properties and actuation response
S. P. Mai & N. A. Fleck

Boundary-induced electrophoresis of uncharged conducting particles: remote wall approximations
E. Yarin

Energy of tsunami waves generated by bottom motion
D. Dutykh & F. Dias

Clustering in a network of non-identical and mutually interacting agents
F. De Smet & D. Aeyels

Symmetrical Taylor impact studies of copper
L. C. Forde, W. C. Proud & S. M. Walley

Thermally induced pulsatile motion of solids
J. G. A. Croll

On magnetic fields generated in a dielectric half-space by a slowly moving point charge outside
G. Barton

Impacts on thin elastic sheets
R. Vermaud, N. Vandenberghe & E. Villermaux

A micropolar theory for the finite elasticity of open-cell cellular solids
P. Hård af Segerstad, S. Toll & R. Larsson

On dissolution and reassembly of filamentary reinforcing networks in hyperelastic materials
H. Demirkoparan, T. J. Pence & A. Wineman

Time-periodic solutions to a nonlinear wave equation with periodic or anti-periodic boundary conditions
S.-J. Ji

A constant shear stress core flow model of the bidirectional vortex
B. A. Macke & J. Majdalani

A semi-analytical model for oblique impacts of elastoplastic spheres
C.-Y. Wu, C. Thornton & L.-Y. Li

The effect of preload on the pull-off force in indentation tests of microfibre arrays
R. Long & C.-Y. Hui

A multivariate distribution for sub-images
S. J. Maybank