

## KEYWORDS

*International Journal of Solids and Structures* has traditionally contained author indexes and contents lists at the end of each year. Useful though these are, we believe that they would be enhanced by the addition of indexes compiled from keywords associated with each paper. This would allow readers to identify groups of papers in similar areas.

In an electronic environment, the need for a uniform keyword system is particularly important to facilitate effective information search and retrieval. To ensure a consistent approach we have prepared a list of **preferred** keywords for use. This list is not exhaustive and should be used as a guideline. If you feel there are serious omissions please do not hesitate to contact the Editor-in-Chief or Publisher to ensure that new terms are added.

Absorption	Compliance composite	Dynamic
Acoustic	Composite materials	Eigenvalues
Adaptive structures	Compression	Elastic
Adhesion	Computational conical	Elastic–plastic
Ageing of materials	Concentration	Elasticity
Algorithms	Concrete	Elastoelasticity
Alloy	Consolidation	Elastomers
Anisotropic	Constitutive	Elastoplasticity
Arches	Contact	Energy methods
Asymptotic	Containment structures	Energy release rate
Axially	Continuum	Euler–Bernoulli beam
Axisymmetric	Control	Experimental techniques
Ballistics	Converging	Explosions
Bar	Cosserat	Failure
Beam	Crack	Fastening
Bending	Crack arrest	Fatigue
Biaxial	Crack-tip	Fibre reinforced
Bifurcation	Creep	Finite deformation
Biharmonic equation	Cross-section	Finite differences
Bimaterial	Cross-ply	Finite element
Biomechanics	Crystals	Flexure
Bonded	Cyclic	Flow-rule
Bone	Cylinder	Flutter
Boundary conditions	Damage criteria	Foam structures
Boundary element	Damping	Foundation
Boundary value	Debonding	Fractals
Branching	Decay	Fracture
Brittle	Decomposition	Frames
Buckling	Deformable bodies	Free edge
Cables	Delamination	Friction
Cantilever	Design	Frictional
Ceramics	Diffraction	Functionally graded
Chains	Dipole	Galerkin
Chaos	Discontinuities	Geomechanics
Coastal structures	Disk	Granular media
Collocation	Dislocations	Green function
Column	Dispersion	Ground structures
Compaction	Displacement	Half-space
Complex variable	Diverging	Hardening

Higher order	Nonsymmetric nucleation	Soil
Homogeneous	Nonuniform	Soil mechanics
Homogenization	Notch	Solids
Honeycomb structures	Numerical methods	Solid–fluid interaction
Hybrid methods	Ocean structures	Spherical
Impact	Optimization	Springs
Imperfections	Optimum shape	Stability
Impulsive loading	Orthotropic	Stiffened
Inclusions	Parametrization	Stiffness
Indentation	Particulate media	Stochastic
Inertia	Penalty method	Strain
Instability	Perturbation	Strain-dependent
Integral equation	Piezocomposite	Strain-rate
Interaction	Piezoelectric	Stress
Interface	Piezoelectric	Stress concentrations
Interlaminar	Plate	Stress intensity
Internal variable	Plasticity	Stress–strain
Invariant	Plastics	Strings
Inverse problem	Polymers	Strip
Isotropic	Porous media	Structures
Joining	Post buckling	Successive approximations
Kinematic	Propagation	Surface waves
Kinetics	Quantifier	Symmetric
Kirchhoff plate	Random waves	Tapered
Laminated	Rayleigh quotient	Tensile
Lagrangian multiplier	Reflection	Tension
Large deflection	Refraction	Testing
Large deformation	Reissner–Mindlin plate	Thermal stress
Layers	Relaxation	Thermodynamics of solids
Least squares	Reliability	Thermoelastic
Light-weight	Residual stress	Thermomechanical
Limit load	Reticulated rod	Thermoplasticity
Limit analysis	Rigid bodies	Thick
Limit design	Rings	Thick-walled
Linear	Robotics	Thin
Loading	Rock mechanics	Time-dependent
Machine elements	Rod	Timoshenko beam
Magnetoelasticity	Rolling	Torsion
Materials	Ropes	Torsional warping
Materials processing	Rotating	Toughness
Matrix	Rubbers	Traction
Mechanics	Rupture	Transient
Mechanical property	Saint-Venant's principle	Trusses
Membrane	Sandwich materials	Underconstrained
Microbuckling	Scattering	Uniaxial
Micropolar	Sensitivity	Unidirectional
Micro-mechanics	Shafts	Uniqueness theorems
Microstructural	Shakedown	Variable loading
Mixed variational	Shallow	Variational method
Mobile structures	Shape-memory	Vibration
Mode	Shear band	Viscoelastic
Modelling	Shear deformation	Viscoplastic
Modulus	Shear lag	Voids
Motion	Shell	Warping
Moving	Simple shear	Wave
Non-associated	Simply-supported	Wear
Non-circular	Singularities	Wires
Non-destructive testing	Snap-through	Yield
Non-homogeneous media	Softening	
Nonlinear	Soft tissue	