

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