



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
 Piezoelectric
 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