

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	Plate	Stress concentrations
Interlaminar	Plasticity	Stress intensity
Internal variable	Plastics	Stress–strain
Invariant	Polymers	Strings
Inverse problem	Porous media	Strip
Isotropic	Post buckling	Structures
Joining	Propagation	Successive approximations
Kinematic	Quantifier	Surface waves
Kinetics	Random waves	Symmetric
Kirchhoff plate	Rayleigh quotient	Tapered
Laminated	Reflection	Tensile
Lagrangian multiplier	Refraction	Tension
Large deflection	Reissner–Mindlin plate	Testing
Large deformation	Relaxation	Thermal stress
Layers	Reliability	Thermodynamics of solids
Least squares	Residual stress	Thermoelastic
Light-weight	Reticulated rod	Thermomechanical
Limit load	Rigid bodies	Thermoplasticity
Limit analysis	Rings	Thick
Limit design	Robotics	Thick-walled
Linear	Rock mechanics	Thin
Loading	Rod	Time-dependent
Machine elements	Rolling	Timoshenko beam
Magnetoelasticity	Ropes	Torsion
Materials	Rotating	Torsional warping
Materials processing	Rubbers	Toughness
Matrix	Rupture	Traction
Mechanics	Saint-Venant's principle	Transient
Mechanical property	Sandwich materials	Trusses
Membrane	Scattering	Underconstrained
Microbuckling	Sensitivity	Uniaxial
Micropolar	Shafts	Unidirectional
Micro-mechanics	Shakedown	Uniqueness theorems
Microstructural	Shallow	Variable loading
Mixed variational	Shape-memory	Variational method
Mobile structures	Shear band	Vibration
Mode	Shear deformation	Viscoelastic
Modelling	Shear lag	Viscoplastic
Modulus	Shell	Voids
Motion	Simple shear	Warping
Moving	Simply-supported	Wave
Non-associated	Singularities	Wear
Non-circular	Snap-through	Wires
Non-destructive testing	Softening	Yield
Non-homogeneous media	Soft tissue	
Nonlinear		