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