



PERGAMON

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## 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	Cantilever	Cyclic
Acoustic	Ceramics	Cylinder
Adaptive structures	Chains	Damage criteria
Adhesion	Chaos	Damping
Ageing of materials	Coastal structures	Debonding
Algorithms	Collocation	Decay
Alloy	Column	Decomposition
Anisotropic	Compaction	Deformable bodies
Arches	Complex variable	Delamination
Asymptotic	Compliance composite	Design
Axially	Composite materials	Diffraction
Axisymmetric	Compression	Dipole
Ballistics	Computational conical	Discontinuities
Bar	Concentration	Disk
Beam	Concrete	Dislocations
Bending	Consolidation	Dispersion
Biaxial	Constitutive	Displacement
Bifurcation	Contact	Diverging
Biharmonic equation	Containment structures	Dynamic
Bimaterial	Continuum	Eigenvalues
Biomechanics	Control	Elastic
Bonded	Converging	Elastic–plastic
Bone	Cosserat	Elasticity
Boundary conditions	Crack	Elastoelasticity
Boundary element	Crack arrest	Elastomers
Boundary value	Crack-tip	Elastoplasticity
Branching	Creep	Energy methods
Brittle	Cross-section	Energy release rate
Buckling	Cross-ply	Euler–Bernoulli beam
Cables	Crystals	Experimental techniques

Explosions	Lagrangian multiplier	Plastics
Failure	Large deflection	Polymers
Fastening	Large deformation	Porous media
Fatigue	Layers	Post buckling
Fibre reinforced	Least squares	Propagation
Finite deformation	Light-weight	Quantifier
Finite differences	Limit load	Random waves
Finite element	Limit analysis	Rayleigh quotient
Flexure	Limit design	Reflection
Flow-rule	Linear	Refraction
Flutter	Loading	Reissner–Mindlin plate
Foam structures	Machine elements	Relaxation
Foundation	Magnetoelasticity	Reliability
Fractals	Materials	Residual stress
Fracture	Materials processing	Reticulated rod
Frames	Matrix	Rigid bodies
Free edge	Mechanics	Rings
Friction	Mechanical property	Robotics
Frictional	Membrane	Rock mechanics
Functionally graded	Microbuckling	Rod
Galerkin	Micropolar	Rolling
Geomechanics	Micro-mechanics	Ropes
Granular media	Microstructural	Rotating
Green function	Mixed variational	Rubbers
Ground structures	Mobile structures	Rupture
Half-space	Mode	Saint-Venant's principle
Hardening	Modelling	Sandwich materials
Higher order	Modulus	Scattering
Homogeneous	Motion	Sensitivity
Homogenization	Moving	Shafts
Honeycomb structures	Non-associated	Shakedown
Hybrid methods	Non-circular	Shallow
Impact	Non-destructive testing	Shape-memory
Imperfections	Non-homogeneous media	Shear band
Impulsive loading	Nonlinear	Shear deformation
Inclusions	Nonsymmetric nucleation	Shear lag
Indentation	Nonuniform	Shell
Inertia	Notch	Simple shear
Instability	Numerical methods	Simply-supported
Integral equation	Ocean structures	Singularities
Interaction	Optimization	Snap-through
Interface	Optimum shape	Softening
Interlaminar	Orthotropic	Soft tissue
Internal variable	Parametrization	Soil
Invariant	Particulate media	Soil mechanics
Inverse problem	Penalty method	Solids
Isotropic	Perturbation	Solid–fluid interaction
Joining	Piezocomposite	Spherical
Kinematic	Piezoelastic	Springs
Kinetics	Piezoelectric	Stability
Kirchhoff plate	Plate	Stiffened
Laminated	Plasticity	Stiffness

Stochastic	Testing	Underconstrained
Strain	Thermal stress	Uniaxial
Strain-dependent	Thermodynamics of solids	Unidirectional
Strain-rate	Thermoelastic	Uniqueness theorems
Stress	Thermomechanical	Variable loading
Stress concentrations	Thermoplasticity	Variational method
Stress intensity	Thick	Vibration
Stress–strain	Thick-walled	Viscoelastic
Strings	Thin	Viscoplastic
Strip	Time-dependent	Voids
Structures	Timoshenko beam	Warping
Successive approximations	Torsion	Wave
Surface waves	Torsional warping	Wear
Symmetric	Toughness	Wires
Tapered	Traction	Yield
Tensile	Transient	
Tension	Trusses	