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

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Elastomers
Elastoplasticity
Energy methods
Energy release rate
Euler–Bernoulli beam
Experimental techniques
Explosions
Failure
Fastening
Fatigue
Fibre reinforced
Finite deformation
Finite differences
Finite element
Flexure
Flow-rule
Flutter
Foam structures
Foundation
Fractals
Fracture
Frames
Free edge
Friction
Frictional
Functionally graded
Galerkin
Geomechanics
Granular media
Green function
Ground structures
Half-space
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