

Scientific Dictionary

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A

Absolute
Absorption
Activity
Amorphous
Annihilation
Antiparallel
Approximation
Approximation methods
Associate

B

Binding energy
Boundary conditions
Bounded
Bound state
Brackets
Bulk modulus

C

Cartizian coordinates
Classical
Center of mass
Closed
Coefficient, modulus
Condensation

Continuous
Continuous functions
Continuity
Continuous states
Converge
Creation
Critical temperature
Crystal
Cycle

D

Degenerate -
Degenerate states ()
Density
Density of states
Discrete ()
Discrete states ()
Disorder

Displacement
Duality
Dipole

Diverge
Discrete functions
Disorder
Distinguishable
Distribution

E

Effect ()
Effective charge
Eigen
Eigenfunction
Eigen-value

Electric dipole moment

Electric field

Emission

Emissivity

Empirical

Enclosure

Extensive properties

F

Fine structure

Finite, bounded

Frequency

Fusion, Melting

G

Gauge

Ground state

Cyclic process

()

H

Harmonic

Harmonic oscillator

Heat

Heat capacity

Heterogeneous

Homogeneous

I

Incompressible

Inhomogeneous magnetic field

Intensive properties

Isobaric

Isolated

Isochoric

Isothermal

K

Kinetic energy

L

Latent heat

Lattice points

Linear combination

Linear (discontinuous) spectrum

Linear momentum

p

Lower limits

Lowering Operators

\hat{L}_-

Linear operator

L-S coupling

M

Macroscopic system

Magnetic field

Magnetic quantum number

m

Magnetic saturation

Magnetization

Mean life time

Microscopic system

Multiplicity

Multiple values

N

Non-Degenerate states

()

Normalized

Normalized constant

Normalized function

Nonrigid

O

Operator

Orbit

Orbital angular momentum

L

Orbital quantum number l

Order

Orthogonal

Operator theory

Optimum

Optimum value

P

Parallel

Partial derivative

Permeable

Phase

Phase transformation

Photoelectric emission

Polynomial

Potential energy

Principle quantum number n

Probability

Properties

Q

Qualitative

Quantitative

Quantized energy

Quantum ()

Quantum mechanics

Quantum number

Quantum State ()

Quasi-static process

R

Real

Resonance frequency

Restoring force

Reversible process

Rigid
 Rigid Rotator
S
 Second order correction
 Selection rules
 Series
 Singular point
 Specific Heat
 Spherical harmonic function $Y_{l,m}(\theta, \varphi)$
 Spherical polar coordinates
 Spin
 Spinor
 Spin angular momentum S
 Spin space
 Split
 Spontaneous emission
 State -
 State function
 Step potential ()
 Stimulated absorption ()
 Stimulated emission ()
 Superposition principle
 Surrounding medium
 Susceptibility
 Symmetry
T
 Theory of relativity
 Thermal
 Thermoionic Emission
 Total angular momentum J
U

Ultra-violet catastrophe

Uncertainty

()

W

Wave function

Work

Work function

V

Variable

Vector

Vibration

Z

Zero point energy