

Index

A

Auger effect

[4.6: X-ray Absorption Spectroscopies](#)

Auger electrons

[4.6: X-ray Absorption Spectroscopies](#)

B

bathochromic shift

[2.13: Assignment of Bands Based on Solvent Effects](#)

binding energy

[4.1: Physical Principles](#)

Boltzmann distribution

[5.5: Boltzmann Statistics](#)

Bremsstrahlung

[4.4: Experimental Details](#)

C

chemical shift

[5.4: Chemical Shifts](#)

collisional broadening

[2.3: Broadening Mechanisms](#)

configuration interaction

[2.9: Configuration Interaction](#)

E

electromagnetic radiation

[1.1: Electromagnetic Radiation \(Component 1\)](#)

extinction coefficient

[1.5: Multicomponent Samples](#)

H

heteronuclear coupling

[5.12: 13-C NMR Spectroscopy](#)

homogeneous broadening

[2.3: Broadening Mechanisms](#)

hyperchromism

[2.13: Assignment of Bands Based on Solvent Effects](#)

hyperfine interactions

[5.17: EPR - Hyperfine Structure](#)

hyperfine splitting

[5.16: EPR Signals](#)

hypochromism

[2.13: Assignment of Bands Based on Solvent Effects](#)

hypsochromic shift

[2.13: Assignment of Bands Based on Solvent Effects](#)

I

inhomogeneous broadening

[2.3: Broadening Mechanisms](#)

isosbestic point

[1.5: Multicomponent Samples](#)

K

Koopmans' Theorem

[4.2: Photoelectron Spectroscopy - Valence Ionization](#)

L

Larmour frequency

[5.6: Larmour Frequency](#)

M

molar absorptivity

[1.5: Multicomponent Samples](#)

N

NMR precession

[5.8: Precession and Relaxation](#)

NMR relaxation

[5.8: Precession and Relaxation](#)

Nyquist theorem

[3.8: Fourier Transform IR Spectroscopy](#)

Nyquist wavenumber

[3.8: Fourier Transform IR Spectroscopy](#)

O

oscillator strength

[2.10: Measures of Transition Amplitudes](#)

P

photoemission

[4.4: Experimental Details](#)

Pure dephasing

[2.3: Broadening Mechanisms](#)

S

scintillators

[4.4: Experimental Details](#)

solvation

[2.13: Assignment of Bands Based on Solvent Effects](#)

stationary states

[1.2: Matter \(Component 2\)](#)

T

term symbols

[2.11: Term Symbols](#)

transition integrals

[2.1: Transition Integrals](#)

transmittance

[1.5: Multicomponent Samples](#)

U

Ultraviolet Photoelectron Spectroscopy (UPS)

[4.1: Physical Principles](#)

V

vibronic transitions

[2.2: Vibronic Transitions](#)