

Landolt-Börnstein
Group II: Molecules and Radicals

Volume 14
Molecular Constants Mostly from Microwave, Molecular Beam, and Electron Resonance Spectroscopy

Subvolume A
Diamagnetic Molecules

	Introductory material	
1	Introduction (J. DEMAISON)	1
2	Constants of diamagnetic molecules	5
2.1	Survey (E. TIEMANN)	5
2.2	Diatomic molecules: Rotational and related constants (E. TIEMANN)	5
2.3	Linear molecules: Rotational and related constants (J. DEMAISON)	37
2.4	Symmetric top molecules: Rotational and related constants (J. DEMAISON)	63
2.5	Asymmetric top molecules: Rotational and related constants (J. DEMAISON)	128
	Inorganic molecules	131
	Methane, ethane, propane derivatives	175
	Aliphatic molecules with double and triple carbon-bonds	326
	Elemento-organic compounds	382
	Elements with two or three internal rotors	415
	Saturated cyclic compounds	425
	Unsaturated cyclic and aromatic compounds	483
2.6	Dipole moments	584
	Diatomic molecules (E. TIEMANN)	584
	Linear and symmetric top molecules (J. DEMAISON)	590
	Asymmetric top molecules (J. DEMAISON)	598
2.7	Quadrupole coupling constants	644
	Diatomic molecules (E. TIEMANN)	644
	Linear and symmetric top molecules (J. DEMAISON)	654
	Asymmetric top molecules (J. DEMAISON)	669
2.8	Hindered rotation (J. DEMAISON, A. DUBRULLE)	717
	C-C bonds	719
	C-Si and C-Ge bonds	730
	C-O bonds	734
	C-S and C-Se bonds	738
	C-N and C-P bonds	741
	Other bonds	743
2.9	Magnetic constants	745
	Diatomic molecules (E. TIEMANN)	745
	Linear and symmetric top molecules (W. HÜTTNER)	755
	Asymmetric top molecules (W. HÜTTNER)	772
	References	
	Appendix: Additions to Chapter 2	
	Index of substances (See Vol. 14B)	