Indice

p. 9 Abstract

13 Chapter 1
Symmetries of the concentrationof the electronics densities of the atomic orbitals according to the quantum mechanical model
1.1. A brief note on the evolution of the concept of the electron pair
1.2. Distribution of electrons in orbitals in the quantum mechanical model
1.3. Orientation in space of the s, p, d, f atomic orbitals in the quantum mechanical model

21 Chapter 2
Atomic system on the ID *model: reticular spatial structure as engineering model of atomic shells*
2.1. Symmetries of the concentration of the electronic densities of the atomic orbitals according to the *ID* model
2.2. Atomic system on the *ID* model: reticular spatial structure as engineering model of atomic shells
2.3. Structuring of atomic shells starting from the octahedral matrix
2.4. Outline of the structuring of atomic shells starting from the cubic matrix

89 Chapter 3
Resistance of atomic reticular structures to changes in temperature and pressure
3.1. Resistance of an atomic reticular structure to vibrations
3.2. Resistance of an atomic reticular structure to compression

93 Conclusions
95 Bibliography