

Editorial comment: The published material continues the discussion series of the author's articles on studying the applicability of the paradigm of classical physics to the description of the nature of the electronic structure of matter, in this case the metal crystals. The article reviewers believe this approach to be in many respects unconventional and controversial, requiring still deeper comprehension but the author system extension of its applicability to the concept of different types of chemical bonds, gives the right to "life" of the new views, at least in the discussion section. But the author's systematic extension of his concept's applicability to different types of chemical bonds, gives the new views right "to live", at least in the discussion section.

Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*".

<http://butlerov.com/readings/>

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## **The molecular structure of metals**

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### **Abstract**

The problem described is the description of metallic crystals, based on the new concepts of the molecular structure of matter, according to which the structural constituents are not the acting ions, as it is customary in certain models, but diatomic molecules in the at the nodes of crystalline lattice. The substantiation of the molecular structure of metals and explanation of the properties and effects observed in the experiment have been given.