

The systemic review of quantum genetics based on the theory of non-Abelian gauge fields is presented in this book. The fundamental conception of an atom's protonic charge, which is the basis of study of transformations of various biological structures is included into the book. Description of biological processes is conducted in six-dimensional space with metric tensor 4×2 . Properties of main biological structures (DNA, RNA and proteins) are discussed on the basis of equivalent charge configuration of amino acids of the genetic code. It's proved that the conformal field of amino acids is equal to quantized gravitational field with spin $5/2$.

The book is meant for specialists in theoretical biology, quantum theory of field, molecular biology and genetics.

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