Physical model of hadrons: barions and mesons; physical essence of quarks and gluons and physical interpretation of their parameters

Josiph Mladenov Rangelov

I S S Ph , B A S
blv. Tzarigradsko Chaussee 72, Sofia 1784, Bulgaria

The physical model (PhsMdl) of the hadrons is offered by means of the obvious analogy with the transparent surveyed PhsMdls of the vacuum and leptons in our recent works. It is assumed that the vacuum is consistent by dynamides, streamlined in junctions of some tight crystalline lattice. Every dynamide contains a neutral pair of massless contrary point-like (PntLk) elementary electric charges (ElmElc Chrgs): electrino $(-)$ and positrino $(+)$. By means of the existent fundamental analogy between their properties and behaviour we can understand the similarity and difference between them and assume that the quark parameter aroma is determined by the value of its size of its circular two-dimensional motion, while the quark parameter colour is determined by orientation of the flat of the same circular two-dimensional motion in the space. The colorless of the barions is explained by distribution of the same circular two-dimensional motion of its elementary electric charge within three mutually perpendicular flats. Then the exchange of the colors between two quarks with different colors within some hadron can be interpretated as some twisting of same hadron in the space. We give a new obvious physical interpretation of the charge values of quarks, which gives some explanation of angles of Cabibo and Weynberg. By some physical supposition about the structure of charged intermediate vector bozon W and uncharged intermediate vector bozon Z we have possibility to explain as the physical essence of the strong, weak and electromagnetic interactions, so the outline of all births, transformations and decays of the ElmPrts.