



A New Atomic Model

By Florian Ion Tiberiu Petrescu

Books On Demand. Paperback. Book Condition: New. Paperback. 62 pages. Dimensions: 8.0in. x 5.0in. x 0.1in. The movement of an electron around the atomic nucleus has today a great importance in many engineering fields. Electronics, aeronautics, micro and nanotechnology, electrical engineering, optics, lasers, nuclear power, computing, equipment and automation, telecommunications, genetic engineering, bioengineering, special processing, modern welding, robotics, energy and electromagnetic wave field is today only a few of the many applications of electronic engineering. This book presents, shortly, a new and original relation (20 and 20) who determines the radius with that, the electron is running around the nucleus of an atom. In the picture number 1 one presents some electrons that are moving around the nucleus of an atom. One utilizes, two times the Lorenz relation (5), the Niels Bohr generalized equation (7), and a mass relation (4) which it was deduced from the kinematics energy relation written in two modes: classical (1) and coulombian (2). Equalizing the mass relation (4) with Lorenz relation (5) one obtains the form (6) which is a relation between the squared electron speed (v^2) and the radius (r). The second relation (8), between v^2 and r , it was obtained by equalizing the mass...



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