



From Maxwell Stresses to Photon-like Objects

By Stoil Donev

VDM Verlag Feb 2010, 2010. Taschenbuch. Book Condition: Neu. 220x150x6 mm. Neuware - Photons are real massless time-stable and spatially finite physical objects with an intrinsically compatible translational-rotational dynamical structure. They carry energy-momentum and propagate as a whole in a translational-rotational periodic manner by the speed of light. The corresponding integral action for one period T is given by the Planck constant ' $h = ET$ ', where ' E ' is the full energy of the photon, and all photons carry the same intrinsic action ' h '. Photons are composite objects, each one consists of two time recognizable and energy-momentum exchanging subsystems carrying the same stress-energy-momentum and being in a state of dynamical equilibrium. The exchanged energy for one period gives the elementary action ' h '. Photons follow the rule: no translation is possible without rotation, and no rotation is possible without translation. The adequate mathematics we came to was Frobenius integrability/nonintegrability theory of distributions. If you share this view, you'll read the book without stopping to breath, and if you do not share this view feel yourself invited to join. 92 pp. Englisch.



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