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Primitive Concepts Axioms and Constitutive Relations of $O(3)_b$

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Sommario/riassunto

It is well known that classical electrodynamics is riddled with internal inconsistencies springing from the fact that it is a linear, Abelian theory in which the potentials are unphysical. This volume offers a self-consistent hypothesis which removes some of these problems, as well as builds a framework on which linear and nonlinear optics are treated as a non-Abelian gauge field theory based on the emergence of the fundamental magnetizing field of radiation, the $B(3)$ field.

Contents:

- Interaction of Electromagnetic

- Radiation with One Fermion

- The Field Equations of Cl