

Librería
Bonilla y Asociados
desde 1950



Título: Quanta, Logic And Spacetime

Autor: Selesnick S. A.

Precio: \$968.00

Editorial:

Año: 2003

Tema:

Edición: 2ª

Sinopsis

ISBN: 9789812386915

In this highly interesting monograph, a brief account of Finkelstein's approach to quantum theory and some of its ramifications is given. Specifically, his suggestion that some sort of quantum-set-like structure should underlie our macroscopic perception of spacetime is developed to the point where a fair slice of fundamental physics (for a massless world) may be formally derived in an elementary fashion from the ground up. In detail, a model of what Finkelstein has dubbed a "quantum net", in conjunction with a carefully and extensively articulated correspondence principle, gives rise to the standard Lagrangians for: massless Dirac fermions, general relativity, and Yang-Mills fields for the gauge groups, $U(1) \times SU(2)$, and $SU(3)$. These Lagrangians emerge replete with (Feynman) gauge-fixing terms and ghost fields, and a chiral breaking mechanism in the case of $SU(2)$. The results are interpreted in the light of the Standard Model.