

Topological Insulators: Dirac Equation In Condensed Matters (Springer Series In Solid-State Sciences) By Shun-Qing Shen

By Shun-Qing Shen

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Dirac Equation in Condensed Matters. Impurities and Defects in Topological Insulators. Shen, Shun-Qing. Springer Series in Solid-State Sciences

Topological Insulator: Dirac equation in condensed matter Speaker: Prof Shun-Qing Shen, Hong Kong University. Date: Mon, 03/09/2012 - 4:00pm to 5:00pm. Location

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Topological insulators is insulating in the bulk, but processes metallic states present around its boundary owing to the topological origin of the band structure.

Topological Insulators by Shun-Qing Shen, Topological Insulators Hardback Springer Series in Solid-State Sciences By (author) Shun-Qing Shen.

Berlin; London: Springer 2012 (Lecture notes in physics; 862) QC 174.85 .I8 S89 2013 : Table of Contents . Yoshiro Kakehashi Modern theory of magnetism in metals and

Springer Series in Solid-State Sciences Volume 174, Starting from the Dirac Equation Prof. Dr. Shun-Qing Shen (1)

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Abstract We present a general description of topological insulators from the point of view of Dirac equations. The Z_2 index for the Dirac equation is always zero

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Shun-Qing Shen. Professor of Physics Topological Insulators: Dirac Equation in Condensed Matter. SQ Shen. Springer Series in Solid-State Sciences 174, 2012. 82: 2012:

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Recent developments in the emerging field of plasmonics in graphene and other Dirac systems are reviewed and a comprehensive introduction to the standard models and

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Engineering Dirac electrons emergent on the surface of a topological insulator on a spherical surface of a topological insulator, equation is modified to

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We present a short pedagogical introduction to the physics of Dirac materials, restricted to graphene and two-dimensional topological insulators. We start with