



TRR 80 Sonderseminar

Am Dienstag, den 27. Februar um 14:00 Uhr

spricht

Prof. Dr. Shuichi Murakami

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über das Thema

Topological phases in condensed matter

Electrons in a crystal form band structure, and their wavefunctions in momentum space have topological structure characterized by Berry curvature. This curvature leads to various Hall effects, and to various topological phases.

In my talk we give an overview of physical phenomena from Berry curvature in momentum space. Particularly, we focus on topological semimetals, whose band structures are governed by profound interplay between topology and symmetry. We then discuss realization of such phenomena, not only in electronic systems but also in other particles.

Gäste sind herzlich willkommen.

Der Vortrag findet im Seminarraum S-288, Institut für Physik,
Universität Augsburg statt.

Gastgeber: Prof. Dr. István Kézsmárki
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