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Interlayer Aharonov-Bohm interference in tilted magnetic fields in quasi-one-dimensional organic conductors VICTOR YAKOVENKO, BENJAMIN COOPER, Department of Physics, University of Maryland — Different types of angular magnetoresistance oscillations in quasi-one-dimensional organic conductors, such as $(TMTSF)_2X$, are explained in terms of Aharonov-Bohm interference in interlayer electron tunneling. A two-parameter pattern of oscillations for generic orientations of a magnetic field is visualized and related to the experimental data.
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