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)$_2$X, 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. Reference: cond-mat/0509039