

Meeting: 1001, Evanston, Illinois, SS 3A, Special Session on Index Theory, Morse Theory, and the Witten Deformation Method

1001-37-381 **Sergey P Novikov*** (novikov@ipst.umd.edu), 4300 College Heights Drive, Hyattsville, MD
20782. *Topology of Quasiperiodic Functions on the Plane.*

What can be said about topology of the level curves of the quasiperiodic functions on the plane? How complicated may be their noncompact components? Indeed deep differential topology and dynamics are hidden here. (Received August 31, 2004)