

1027-53-135

**Dan Burghilea\*** ([burghele@math.ohio-state.edu](mailto:burghele@math.ohio-state.edu)), Department of mathematics, 231 West Avenue, Columbus, OH 43210. *Elliptic theory on orbifolds (after Bogdan Bucicovshi)*. Preliminary report.

Given the present interest in the geometric analysis on orbifolds I will present the key contributions of B.Bucicovschi to spectral geometry of elliptic operators in vector orbibundles over orbifolds. They concern mostly the Seeley theory of complex powers. B.Buchicovshi died in 2004 and his work was not published. A preliminary version of his work can be recovered from arXive, DG 9912228v1. (Received February 24, 2007)