Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-58-466 **Ognjen B Milatovic*** (`omilatov@unf.edu`), Department of Mathematics and Statistics, University of North Florida, 4567 St. Johns Bluff Road, South, Jacksonville, FL 32224.
Self-adjoint higher-order differential operators on manifolds of bounded geometry.

We consider a class of higher order differential expressions, with real-valued locally integrable zero-order term, on a manifold M of bounded geometry. We give a sufficient condition for the considered class of differential expressions to have a self-adjoint realization in the space of square integrable complex-valued functions on M. (Received September 15, 2004)