

1049-53-40

Ovidiu Munteanu* (omuntean@math.columbia.edu), Mathematics Department, Columbia University, Room 509, MC 4406, 2990 Broadway, New York, NY 10027. *The Structure of Complete Manifolds with Positive Spectrum.*

We discuss complete noncompact manifolds with Ricci curvature bounded from below by a negative constant and with positive bottom of spectrum. Our talk will cover some recent progress in the study of such manifolds that have maximal bottom of spectrum relative to the lower bound of the Ricci curvature. (Received February 10, 2009)