

1062-53-26

**Ovidiu Munteanu\*** ([omuntean@math.columbia.edu](mailto:omuntean@math.columbia.edu)), Math Department, Columbia University, Room 509, MC 4406, 2990 Broadway, New York, NY 10027. *Complete manifolds with positive spectrum.*

We study sharp upper bound estimates for the bottom of spectrum of the Laplace operator on complete Kahler manifolds. The structure of manifolds that achieve this upper bound will also be discussed. (Received June 21, 2010)