

1065-05-199

Yong Lin and **Linyuan Lu*** (lu@math.sc.edu), Department of Mathematics, University of South Carolina, 1523 Greene Street, Columbia, SC 29063, and **S.-T. Yau**. *Ricci Curvature of Graphs*.

We modify the definition of Ricci curvature of Ollivier of Markov chains on graphs to study the properties of the Ricci curvature of general graphs, Cartesian product of graphs, random graphs, and some special class of graphs. (Received September 13, 2010)