

1116-05-939

Mikhail I. Ostrovskii* (ostrovsm@stjohns.edu), Department of Mathematics and Comp.Sci.,
St. John's University, 8000 Utopia Parkway, Queens, NY 11439. *Low-distortion embeddings of
graphs with large girth.*

There exist families of graphs with indefinitely growing girths which admit uniformly bilipschitz embeddings into ℓ_1 , and thus do not weakly contain any families of expanders. (Received September 15, 2015)