

1058-42-239

Yang Wang*, 2345 Club Meridian Dr. B09, Okemos, MI 48864. *Bi-Lipschitz equivalence of dust-like Cantor sets.*

Bi-Lipschitz equivalence plays an important role in fractal geometry. But it is in general very challenging to determine whether two given Cantor sets are Lipschitz equivalent. In this talk we introduce several new criteria for bi-Lipschitz equivalence of Cantor sets. In particular we completely classify the bi-Lipschitz equivalence of Cantor sets with two branches. (Received February 15, 2010)