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Guy C. David*, Department of Mathematical Sciences, Ball State University, Muncie, IN 47306,
and **Kyle Kinneberg**. *Bi-Lipschitz behavior of Lipschitz mappings between metric spaces.*

We will survey some old and recent results and counterexamples on the problem of finding bi-Lipschitz behavior in arbitrary Lipschitz mappings between given metric spaces. We will then discuss new results (joint with Kyle Kinneberg) concerning the situation between PI spaces and Carnot groups. These address some questions of Semmes. (Received February 07, 2018)