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Marianna Csornyei* (mari@math.ucl.ac.uk). *Tangents of null sets and of sets of positive measure.*

We will discuss product decompositions of measures and show how product formulas can detect directionality in null sets and in sets of positive measure. The talk is based on a joint work with G. Alberti, P. Jones and D. Preiss. (Received June 29, 2011)