

**STRUCTURE OF NULL SETS, DIFFERENTIABILITY OF
LIPSCHITZ FUNCTIONS, AND OTHER PROBLEMS**

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We describe a decomposition result for Lebesgue negligible sets, and outline some applications to real analysis and geometric measure theory. In particular, we characterise the set of points of non-differentiability of Lipschitz mappings on \mathbb{R}^n . This is a joint work with G. Alberi and D. Preiss.