## ASYMPTOTIC BEHAVIOR OF *BV* FUNCTIONS AND SETS OF FINITE PERIMETER IN METRIC MEASURE SPACES

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ABSTRACT. We will describe the asymptotic behavior of functions of bounded variation. The setting is that of a complete metric measure space equipped with a doubling measure supporting a 1-Poincare inequality with respect to the upper gradient structure. The tools used include pointed measured Gromov-Hausdorff limits of measures, and tangent cones. The results discussed here are based on joint work with Sylvester Eriksson-Bique, James T. Gill, and Panu Lahti.