Nageswari Shanmugalingam* (shanmun@uc.edu), Department of Mathematical Sciences, P.O.Box 210025, University of Cincinnati, Cincinnati, OH 45221, and Panu Lahti. Fine properties of BV functions-analogs of quasicontinuity.

It is now well-known that Sobolev functions are quasicontinuous – that is, we can find open sets of small capacity so that the restriction of a (good representative of a) Sobolev function to the complement of the open set is continuous. This property fails for functions of bounded variation. In this talk we will give an analog of quasicontinuity for functions of bounded variation. (Received September 15, 2015)