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Nageswari Shanmugalingam* (shanmun@uc.edu), Department of Mathematical Sciences, P.O. Box 210025, University of Cincinnati, Cincinnati, OH 45221-0025, and **Anders Bjorn, Jana Bjorn** and **James T. Gill**. *Trees and Cantor sets; Sobolev spaces and Besov spaces; rough quasiisometries and quasisymmetries.*

The talk will focus on the analytic and geometric connections between trees and Cantor sets that arise as boundaries of trees. We will describe connections between Sobolev type spaces of functions on the tree and Besov classes of functions on the boundary of the tree. (Received July 25, 2015)