

Meeting: 1005, Newark, Delaware, SS 6A, Special Session on High Dimensional Probability

1005-60-139 **Michael B Marcus*** (mbmarcus@earthlink.net), 61 Edwards Hole Rd., East Hampton, NY
11937. *Local Moduli of Continuity of Local Times under Minimal Smoothing
Conditions.* Preliminary report.

Several results about the local moduli of continuity of local times are obtained employing the Eisenbaum isomorphism Theorem. This theorem relates local times of certain Markov processes to the squares of associated Gaussian processes, so that, in effect, these results are consequences of results of a special class of Gaussian processes. Those with covariance which is the 0-potential density of a strongly symmetric Borel right process. (Received February 05, 2005)