1030-37-174 **Renato Feres*** (feres@math.wustl.edu), Washington University, Department of Mathematics, Campus Box 1146, Saint Louis, MO 63130, and **Sergio Fenley** and **Kamlesh Parwani**.

Harmonic functions and Brownian motion on foliated manifolds.

A foliation of a compact manifold M whose leaves are Riemannian manifolds is said to have the Liouville property if a continuous function on M that is harmonic on leaves is constant on leaves. We describe some recent results about the Liouville property and the behavior of foliated Brownian motion in codimension 1. We also explain some purely dynamical counterparts of our results for actions of surface groups on the circle. (Received August 01, 2007)