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**Jeremy T Brazas\*** ([jtv5@unh.edu](mailto:jtv5@unh.edu)). *Semicoverings: A generalization of covering space theory.*

One may consider the finest group topology on the fundamental group of a space for which the map from the loop space identifying homotopy classes is continuous. This "topological" fundamental group remembers local structures of spaces forgotten by weak homotopy type and, it turns out, is intimately related to the theory of free topological groups. In this talk, I will discuss a generalization of the classical theory of covering spaces in the context of these topologized fundamental groups and mention potential applications to the theory of topological groups. (Received June 27, 2011)