1042-53-240   **Steven G. Harris*** (`harrissg@slu.edu`), Department of Mathematics, 220 N. Grand Blvd., Saint Louis University, St. Louis, MO 63103. *Causal boundary of static-complete spacetimes.* Preliminary report.

Previous work has shown how the causal boundary of a product spacetime, $M \times L$, of a Riemannian manifold with the Lorentz line, is line-bundle over the "Busemann boundary" on M; although the topology need not be Hausdorff, if it is, then the causal boundary is a simple product. This talk will look at the case of static-complete spacetimes, for which a simple geometric/topological obstruction distinguishes from product spacetimes. The causal boundary for static-complete spacetimes is very similar to that for product spacetimes, including the result about simple structure when the topology is Hausdorff. (Received August 25, 2008)