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Sarah E. Anderson* (ande1298@stthomas.edu), **Ann Johnston, Gauri Joshi, Gretchen L. Matthews, Carolyn Mayer** and **Emina Soljanin**. *Service Rate Region of Coded Storage Systems*.

In this talk, we consider coded storage systems in which K files are stored over N nodes. Each node is either systematic or coded. A node is systematic for a particular file in the sense that access to that node gives access to that file. Alternatively, a node may be coded, meaning that node gives access to a particular file only when combined with other nodes (which may be coded or systematic). Requests for file f_i arrive at rate λ_i . We analyze the service rate region of a coded system; that is, the set of arrival requests that can be supported by a coded system. (Received September 24, 2018)