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Sarah Bailey Frick* (sarah.frick@furman.edu), 3300 Poinsett Hwy, Mathematics Department, Greenville, SC 29613. *Determining when a Bratteli-Vershik system is expansive.*

Downarowicz and Maass proved that Bratteli-Vershik diagrams with a uniformly bounded number of vertices are either expansive or topologically conjugate to an odometer. In joint work with Karl Petersen and Sandra Shields, we give criteria for when a simple properly ordered (unique maximal/minimal path) is topologically conjugate to an odometer. Furthermore, we give a class of simple, bounded width diagrams for which every possible ordering is expansive. (Received September 17, 2019)