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Sinan Aksoy and **Paul Horn*** (paul.horn@du.edu), Department of Mathematics, Aspen Hall, Room 717, 2280 S Vine Street, Denver, CO 80208. *Graphs with many strong orientations.*

Determining whether a graph has a strong orientation is a classical problem with a simple and satisfying answer given by Robbins' theorem. In this talk we discuss a related problem: when are most (or, really, almost all) of a graph's orientations strongly connected. A large minimum degree condition is clearly insufficient (unless the minimum degree is required to be extremely large), as some isoperimetric or connectivity property is also required. Connectivity alone, however, is also insufficient – a degree condition is clearly also required. We show however, that a suitable combination of these properties does give a sufficient condition. Furthermore our conditions turn out to be (extremely close to) best possible. (Received August 11, 2015)