1092-05-331   **Paul Balister***, Dept. of Math Sciences, University of Memphis, Memphis, TN 38152, and **Bela Bollobas** and **Svante Janson**. *Random vertex orderings of graphs.*

Fix some hereditary graph property P. We consider which probability distributions on random vertex orderings can be assigned to graphs in P so that these distributions are preserved under isomorphisms and on taking induced subgraphs. One example is the uniform distribution which gives equal probability to all $n!$ orderings on any graph on n vertices. For many graph properties we show that this is the only example, but there also many properties for which non-uniform distributions exist. Often the distinction between these two cases depends quite subtly on P. (Received August 13, 2013)