1041-05-269   **Alexander Burstein*** (`aburstein@howard.edu`), Department of Mathematics, Howard University, Washington, DC 20059, and **Peter Hästö** (`peter.hasto@oulu.fi`), Department of Mathematical Sciences, University of Oulu, P.O. Box 3000, FI-90014 Oulu, Finland. *Packing sets of patterns.*

Packing density is a permutation occurrence statistic which describes the maximal number of permutations of a given type that can occur in another permutation. In this talk, we focus mostly on containment of sets of permutations. We find the packing density for various special sets of permutations and study permutation and pattern co-occurrence. (Received August 12, 2008)