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Lara Pudwell* (lara.pudwell@valpo.edu), Department of Mathematics and Statistics, 1900 Chapel Drive, Valparaiso, IN 46383. *Pattern avoidance in double lists.*

In this talk, we consider pattern avoidance in a subset of words on $\{1, 1, 2, 2, \dots, n, n\}$ called double lists. In particular, a double list is a sequence π, π where $\pi \in \mathcal{S}_n$. Double lists have similarities with centrosymmetric words and with circular permutations, where pattern avoidance has already been studied. We enumerate double lists avoiding a single pattern of length 1, 2, 3, or 4 and completely determine the corresponding Wilf classes. This is joint work with Charles Cratty, Samuel Erickson, and Frehiwet Negassi. (Received July 21, 2014)