

1106-05-983

Janine LoBue Tiefenbruck* (jlobue@ucsd.edu) and **Jeffrey B. Remmel**. *Simple Frame Patterns in Words*. Preliminary report.

A mesh pattern is a particular type of permutation pattern introduced by Brändén and Claesson [Mesh patterns and the expansion of permutation statistics as sums of permutation patterns, *Elect. J. Comb.*, **18(2)** (2011), #P5, 14pp.] A particular class of mesh patterns is boxed patterns, later called frame patterns, introduced by Avgustinovich, Kitaev, and Valyuzhenich [Avoidance of boxed mesh patterns on permutations, *Discrete Appl. Math.*, **161** (2013) 43–51.] Simple frame patterns have been studied in several contexts. Avgustinovich, Kitaev, and Valyuzhenich first studied the avoidance of many frame patterns in permutations and in certain pattern-avoiding classes of permutations. Jones, Kitaev, and Remmel studied the distribution of frame 12-matches and frame 21-matches in the cycle structure of permutations [Frame patterns in n -cycles, preprint.] In this talk, we will survey some recent results on simple frame patterns in words. (Received September 09, 2014)