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Alexei Borodin* (borodin@caltech.edu), 1200 E California Blvd, Pasadena, CA 91125. *Schur processes.*

Measures on partitions with weights given by suitable products of Schur symmetric functions have recently found a variety of applications from Toeplitz determinants to representation theory, stochastic growth processes, and random tiling models. The goal of the talk is to give a survey of known results on such measures. (Received August 14, 2006)