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E Kalfagianni* (kalfagia@math.msu.edu), Department of Mathematics, MSU, E. Lansing, MI 48824. *Jones and Normal surfaces of Knots*. Preliminary report.

A Jones surface of a knot is an “essential” surface in the knot complement with boundary slope and Euler characteristic determined by the colored Jones polynomial of the knot. After giving the definitions and reviewing related conjectures we will outline an algorithm for finding Jones surfaces (joint work with Christine Lee). (Received March 12, 2017)