

1147-05-359

Isabella Novik* (novik@math.washington.edu), Department of Mathematics, University of Washington, Seattle, WA 98195, and **Ed Swartz** (ebs22@cornell.edu), Department of Mathematics, Cornell University, Ithaca, NY 14853. *g-vectors of manifolds with boundary*. Preliminary report.

We report on very recent progress on face numbers of triangulations of manifolds with boundary. Specifically, we show that several results (such as the Kühnel-type bounds and the manifold g -conjecture) established in the last decade for triangulations of closed manifolds have very natural extensions to triangulations of manifolds with boundary. (Received January 21, 2019)