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Isabella Novik* (novik@math.washington.edu), University of Washington, Department of Mathematics, Box 354350, Seattle, WA 98195-4350, and **Ed Swartz** (ebs@math.cornell.edu), Cornell University, Department of Mathematics, Ithaca, NY 14853-4201. *Face numbers of pseudomanifolds with isolated singularities.*

We discuss several results on the face numbers of pseudomanifolds with isolated singularities. This includes (i) a version of the Dehn-Sommerville relations, (ii) a strengthening of the lower bound theorem when the singularities are homologically isolated, and (iii) a complete characterization of possible face vectors of all triangulations for three particular pseudomanifolds. (Received September 02, 2010)