1113-53-190 **carla parvati farsi*** (`carla.farsi@colorado.edu`), department of mathematics, 395 UCB, boulder, CO 80309-0395, **christopher w seaton** (`seatonc@rhodes.edu`), Math and Computer Sc., Rhodes College, Memphis, TN 38112, and **emily proctor** (`eproctor@middlebury.edu`), Mathematics, Middlebury College, Middlebury, VT 05753. *Orbifold versus Manifold Spectral Theory.* Preliminary report.

Orbifolds with boundary are an interesting class of Deligne–Mumford stacks represented by smooth groupoids that can be studied using tools from differential geometry and spectral theory. After outlining their Hodge theory, we focus on certain relations between manifold and orbifold spectra that involve limiting procedures from a local viewpoint. (Received August 21, 2015)