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Rena Hull* (rmhull@math.ucsb.edu), Department of Math, UC Santa Barbara, Santa Barbara, CA 93106. *Biautomaticity and CAT(0) piecewise Euclidean 2-complexes*. Preliminary report.

I will discuss a condition implying that the fundamental group of a CAT(0) piecewise Euclidean 2-complex is biautomatic. The result is a consequence of a lemma on paths in its 1-skeleton and it reproves the earlier results by Gersten-Short and Niblo-Reeves (in dimension 2) as special cases. (Received August 24, 2005)