1004-57-200   **Nikolay Brodskiy*** (`brodskiy@math.utk.edu`), Department of Mathematics, 121 Ayres Hall, Knoxville, TN 37996-1300. *Local homotopy properties of boundaries of CAT(0) complexes.* Preliminary report.

Let X be a locally finite CAT(0) polyhedral complex of constant curvature. It has a compact boundary ∂X with the "cone topology" (for a base point $p \in X$ one can regard ∂X endowed with the compact-open topology). We provide conditions on X implying local connectivity properties of ∂X. (Received January 24, 2005)