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**Keith M Jones\*** ([keith.jones@oneonta.edu](mailto:keith.jones@oneonta.edu)), Department of Mathematics, CS & Stats, SUNY Oneonta, 108 Ravine Parkway, Oneonta, NY 13820. *Visual Boundaries for Diestel-Leader Graphs.*

One standard way to construct a visual boundary of a CAT(0) space is as a set of equivalence classes of geodesic rays. We extend this definition to a more general setting to construct the visual boundaries of Diestel-Leader graphs, some of which happen to be particularly useful Cayley graphs for lamplighter groups. We see that the visual boundary of  $DL(q, q)$ , the Diestel-Leader graph corresponding to the lamplighter group  $L_q$  is satisfies the separation axiom  $T_1$ , but is not Hausdorff. We show that for  $d > 2$ , the visual boundary of the Diestel-Leader graph  $DL_d(q)$  (constructed from  $d$   $q + 1$  valent trees) has the indiscrete topology. (Received September 16, 2013)