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Ralph Kopperman* (rdkcc@ccny.cuny.edu), Department of Mathematics, City College of New York, New York, NY 10965. *A weighted quasimetric for digital topology*. Preliminary report.

It is known that all topologies arise from weighted quasimetrics. We discuss such a quasimetric for Alexandroff spaces (those in which arbitrary intersections of open sets are open), which is useful in characterizing connectedness and continuous functions. (Received September 26, 2006)