Arielle McCoy* (rhaas@smith.edu), Cal Hotchkiss, Alison Pryor, Kirin Khan and James Henle. The Life and Death of a Geodesic. Preliminary report.

We investigate geodesics on boxes that begin at one corner and move at an angle of 45 degrees from the sides. Our results concern the destinations of such geodesics and their lengths. (Received September 21, 2011)