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Barbara A Ashton* (Barbara-Ashton@nyc.rr.com), 2252 36th Street, Astoria, NY 11105, and
Kevin L Dove (kdove@lander.edu), 1172 Crosshill Lane, Newberry, SC 29108. *Cross Stitching,
Graph Theory and a Least Path Problem.*

Needlework has been an important part of every culture from the time of our earliest civilizations. Cross-stitching is currently one of the most popular pastimes among people of all ages and both sexes. In this paper, we will discuss how graph theory can be used to determine a stitching scheme for completing a cross stitch pattern with the least amount of thread. (Received September 26, 2006)