1020-57-59   **Elizabeth Denne*** (`denne@math.harvard.edu`), 1 Oxford St, Cambridge, MA 02138, and **John M Sullivan** (`sullivan@math.tu-berlin.de`), Str des 17 Juni 136, 10623 Berlin, Germany.
Convergence and isotopy type for graphs of finite total curvature.

Generalizing Milnor's result that an FTC (finite total curvature) knot has an isotopic inscribed polygon, we show that any two nearby knotted FTC graphs are isotopic by a small isotopy. We also show how to obtain sharper constants when the starting curve is smooth. We apply our main theorem to prove a limiting result for essential subarcs of a knot. (Received August 09, 2006)