1003-62-928 **Mahmoud Yousef*** (`yousef@cmsu1.cmsu.edu`), Dept. of Math. and Comp. Sci., Central Missouri State University, Warrensburg, MO 64093, and **Raja Nassar**, Department of Mathematics and Statistics, Louisiana Tech University, Ruston, LA 71272. *Statistical Analysis of Pipe Rehabilitation Liners.*

In an experimental testing procedure a liner is subjected to a constant external hydrostatic pressure and observed until it fails or for a certain time t, whichever occurs first. Liners that do not fail at time t are deemed censored observations. In this study, the maximum likelihood approach and the least squares method will be used to analyze experimental data for different liners in a trenchless technology setting. (Received October 01, 2004)