

1014-62-1071 **Mahmoud Yousef*** (yousef@cmsu1.cmsu.edu), Dept. of Math. & Comp. Sci., Central Missouri State University, Warrensburg, MO 64093, and **Raja Nassar**. *Modeling Pipe Rehabilitation Liners Using the Weibull Distribution*. Preliminary report.

Constant and variable pressures using the Weibull model for time till buckling under different samples sizes and different levels of censoring will be investigated. Data will be generated through computer simulation and estimates of the parameters in the Weibull model will be obtained using the Maximum Likelihood and Newton-Raphson methods. The statistical properties of the estimates will be studied. (Received September 27, 2005)