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Morteza Shafii-Mousavi* (mshafii@iusb.edu), 1700 Mishawaka Ave, P.O. Box 7111, South Bend, IN 46634. *Calculation of Fundamental Matrix for an Absorbing Markov Chain and Applications*. Preliminary report.

In their book *Mathematical Modeling*, D. Maki and M. Thompson treated Fundamental Matrices and Applications. In this talk , the calculations of the Fundamental Matrices and applications by Excel Spreadsheet is demonstrated by which the absorption time from a starting state to an absorbing state is calculated. (Received September 16, 2017)