1145-62-1137   **Santanu Chakraborty*** (`santanu.chakraborty@utrgv.edu`), School of Mathematical and Statistical Sc., University of Texas Rio Grande Valley, 1201 West University Drive, Edinburg, TX 78539, and **George P Yanev** (`george.yanev@utrgv.edu`), School of Mathematical and Statistical Sc., University of Texas Rio Grande Valley, 1201 West University Drive, Edinburg, TX 78539. *Characterizations of Exponential Distribution Based on Two-Sided Random Shifts.*

A new characterization of the exponential distribution is obtained. It is based on an equation involving randomly shifted (translated) order statistics. No specific distribution is assumed for the shift random variables. The proof uses a recently developed technique including the Maclaurin series expansion of the probability density of the parent variable. (Received September 19, 2018)

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