

Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-60-1589 **Italo Simonelli*** (mathis@tamu-commerce.edu), Mathematics Department, Texas A&M University-Commerce, Commerce, TX 75428. *Products of random variables and asymptotic distribution of the extremes*. Preliminary report.

In previous investigation I established limit theorems for products of random variables under the assumption that the factors in the product take the value zero with probability zero. Upon dropping this restriction new limit theorems obtain. As examples the classical extreme value distributions and some of their extensions can be reobtained. Furthermore, I shall investigate extremes when the underlying population distribution is the distribution of a finite product of random variables. (Received October 05, 2004)