The semi-Sibuya distribution

Nadjib Bouzar

Received: 20 July 2004 / Revised: 23 October 2006 / Published online: 23 February 2007 © The Institute of Statistical Mathematics, Tokyo 2007

Abstract In this note we propose several characterizations of the Sibuya distribution. A related distribution we call the semi-Sibuya distribution is introduced and studied.

Keywords The Sibuya distribution · Probability generating functions · Discrete semistability