Marshal-Olkin Type Type distribution with effect of shock magnitude

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We consider Marshal-Olkin Type shock model which is important for many practical applications, where there exists a need to take into account a magnitude of a shock. The system of two components are subject to a shock that comes from different sources. If the magnitude of the shock exceeds predefined threshold then the component which is subjected to this shock is destroyed, otherwise survives. The survival function of the system subjected to this kind of shocks have been derived and examples with some bivariate distributions have are provided.