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Zheng Wei* (weizheng@nmsu.edu), 2217 Hagerty Rd Apt 12, Las Cruces, NM 88001, and
Tonghui Wang, Baokun Li and **Phoung Anh Nguyen**. *The joint belief function and Shapley value for the joint cooperative game.*

In this paper, the characterization of the joint distribution of random set vectors by the belief function is investigated and the joint game in terms of the characteristic function is given. The bivariate Shapley value of a joint cooperative game is obtained through both cores and games. Formulas for the Shapley value derived from two different methods are shown to be identical. For illustration of our main results, several examples are given. (Received September 09, 2014)