

## Accepted Manuscript

Dichotomous multi-type games with a coalition structure

Sébastien Courtin, Zéphirin Nganmeni, Bertrand Tchantcho

PII: S0165-4896(16)30214-1

DOI: <http://dx.doi.org/10.1016/j.mathsocsci.2016.12.003>

Reference: MATSOC 1915

To appear in: *Mathematical Social Sciences*

Received date: 23 April 2016

Revised date: 3 November 2016

Accepted date: 19 December 2016

Please cite this article as: Courtin, S., Nganmeni, Z., Tchantcho, B., Dichotomous multi-type games with a coalition structure. *Mathematical Social Sciences* (2016), <http://dx.doi.org/10.1016/j.mathsocsci.2016.12.003>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## Highlights: Dichotomous multi-type games with a coalition structure

September 5, 2016

1. This paper introduced games, in which  $r$  non-ordered levels of input supports are available to players and, with a priori relation between players
2. In the particular case of a dichotomous game, the output consists of 0 or 1, i.e any choice configuration is either winning or losing.
3. Alternative characterizations of the Owen and Banzhaf-Owen power indices in the classical context are provided.
4. Generalization of Owen and Banzhaf-Owen are given, in the context of Dichotomous multi-type games.
5. Full characterizations of these new indices in the framework of Dichotomous multi-type games are provided.

Download English Version:

<https://daneshyari.com/en/article/5102134>

Download Persian Version:

<https://daneshyari.com/article/5102134>

[Daneshyari.com](https://daneshyari.com)