Accepted Manuscript

Risk Tomography

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PII: S0377-2217(17)30698-7
DOI: 10.1016/j.ejor.2017.07.055
Reference: EOR 14605

To appear in: *European Journal of Operational Research*

Received date: 25 April 2016
Revised date: 20 July 2017
Accepted date: 21 July 2017

Please cite this article as: András Prékopa, Jinwook Lee, Risk Tomography, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.07.055

Highlights

- This paper proposes to represent a random vector by a vector of random polar coordinates.
- A new class of multivariate risk measures (Directional Conditional Value-at-Risk).
- Properties and calculation of the proposed risk measures.
- Applications to agricultural industry and portfolio optimization problem.
- Comparison with its univariate counterpart, Conditional Value-at-Risk (CVaR).