## Accepted Manuscript

On Endogenizing Direction Vectors in Parametric Directional Distance Function-Based Models

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 PII:
 S0377-2217(17)30244-8

 DOI:
 10.1016/j.ejor.2017.03.040

 Reference:
 EOR 14324

To appear in:

European Journal of Operational Research

Received date:	26 April 2016
Revised date:	10 March 2017
Accepted date:	13 March 2017

Please cite this article as: Rolf Färe, Carl Pasurka, Michael Vardanyan, On Endogenizing Direction Vectors in Parametric Directional Distance Function-Based Models, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.03.040

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## Highlights

- We show how to select directional distance functions? direction vectors optimally
- The algorithm is based on parametric nonlinear optimization methods
- Empirical illustration using the U.S. electric power plant data is provided
- Optimally selected vectors and commonly used ad hoc vectors yield different results

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