

# Only countable common cause systems exist

Marczyk, Michal and Wronski, Leszek (2009) Only countable common cause systems exist.

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## Abstract

In this paper we give a positive answer to a problem posed by G. Hofer-Szabo and M. Redei (2004) regarding the existence of infinite common cause systems (CCSs). An example of a countably infinite CCS is presented, as well as the proof that no CCSs of greater cardinality exist.

**Keywords:** common cause; probabilistic causation; common cause systems

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