SAMUEL SOLGON SANTOS, University of Waterloo
Inducing comonotonic additive risk measures from acceptance sets

We present general conditions on the acceptance sets under which their induced risk and deviation measures are comonotonic additive. We show that an acceptance set generates a comonotonic additive risk measure if and only if the acceptance set and its complement are closed for convex combinations of comonotonic random variables. This result generalizes to risk measures that are additive for random variables with *a priori* specified dependence structures, e.g., perfectly correlated, uncorrelated, or independent random variables.