## On the Dependence Structure of Scrambled (t, m, s)-nets

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## Abstract

We study the dependence structure of scrambled (t, m, s)-nets and show that they have a negative lower/upper orthant dependence structure if and only if t = 0. This study allows us to gain a deeper understanding about the classes of functions for which the variance of estimators based on scrambled (0, m, s)-nets can be proved to be no larger than that of a Monte Carlo estimator.