OPTIMUM EXPERIMENTAL DESIGN FOR A REGRESSION ON A HYPERCUBE-GENERALIZATION OF HOEL'S RESULT

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Abstract. In the note Hoel's result (1965, *Ann. Math. Statist.*, **36**, 1097–1106) is generalized to a large family of experimental design optimality criterions. Sufficient conditions for optimality criterion are given, which ensure existence of the optimum experimental design measure which is a product of design measures on lower dimensional domains.

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