

P04. The educational computer system for the design of experiments

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The aim is to give the simplest possible introduction to the design of extremal experiments. The educational system contains basic definitions, optimization parameter and factors, selection of model, factorial experiments and fractional factorial designs, running and processing results of an experiment, decision-making after constructing a model, steepest ascent along a response surface and decision-making after a steepest ascent, discussion of results.