

# Design of experiments with classical and quantum orthogonal arrays

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## Abstract

In the paper of Dardo Goyenecho, Sara Di Martino, Zahra Raissi and Karol Życzkowski several classes of quantum combinatorial designs, namely quantum Latin squares, cubes, hypercubes and the notion of orthogonality between them were introduced. A further introduced notion, quantum orthogonal arrays, generalizes all previous classes of design. I will briefly discuss it and show one of the application of orthogonal arrays, i.e. the design of experiments, showing usage of classical and quantum orthogonal arrays.

[1] Paper1

[2] Paper2