

## Applications of Nonisomorphic Three Level 27-Run Orthogonal Arrays to Designed Experiments

H. Evangelaras

Department of Statistics and Insurance Science, University of Piraeus, 80 Karaoli & Dimitriou Street, Piraeus 18534, Greece. Email: hevangel@unipi.gr

C. Koukouvinos

Department of Mathematics, National Technical University of Athens, Zografou 15773, Athens, Greece. Email: ckoukou@math.ntua.gr

### Abstract

In this paper we outline the application of combinatorial nonisomorphic three level orthogonal arrays with  $n = 27$  runs to several issues of statistical interest such as model identification, response surface designs, screening experiments and design construction methods.

**Keywords:** Orthogonal arrays, isomorphism, model identification, response surface designs, projection properties.

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