Package 'HDOMDesign'

Vancion 101	October 12, 2022					
Version 1.0-1						
Title High-Dimensional Orthogonal Maximin Distance Designs Description Contains functions to construct high-dimensional orthogonal maximin distance designs in two, four, eight, and sixteen levels from rotating the Kronecker product of sub-Hadamard matrices. License LGPL-2.1 Author Xu He [aut, cre], Fasheng Sun [aut] Maintainer Xu He <hexu@amss.ac.cn> Depends HadamardR NeedsCompilation yes Repository CRAN</hexu@amss.ac.cn>						
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Arguments

n	Number of points.
p	Number of dimensions.
S	Number of levels.

Details

These functions generate high-dimensional orthogonal maximin distance designs. In particular, HDOM2, HDOM4, HDOM8, and HDOM16 generate designs in two, four, eight, and sixteen levels.

Value

The value returned from the function is an n times p matrix giving the experimental design

Examples

```
HDOM2(n=80,p=60)

HDOM4(n=80,p=60)

HDOM8(n=80,p=60)

HDOM16(n=80,p=60)

HDOMdesign(n=80,p=60,s=4)
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