Package 'HDOMDesign'

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Version 1.0-2

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.

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`HDOMdesign` *High-dimensional orthogonal maximin distance designs*

Description

Generates a high-dimensional orthogonal maximin distance designs.

Usage

```
HDOMdesign(n,p,s)
HDOM2(n,p)
HDOM4(n,p)
HDOM8(n,p)
HDOM16(n,p)
```

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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