

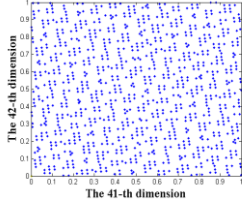
Theory basis

Low discrepancy sequence:
Halton-set, GLP-set, Sobol-set, et al

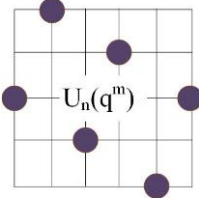
By L.K. Hua, J.H. Halton, H. Niederreiter, I.M. Sobol, et al.

By K.T. Fang and Y. Wang

Number-theory based method (NTM)



Uniform DOE (U-design)



Mechanism application

Promotion in tolerance analysis

- Output error statistics precision
- Output error statistics efficiency
- Tolerance sensitivity analytical precision

Promotion in tolerance synthesis

- Representative and uniform distributed tolerance assignments
- Adaptive to manufacturing capacity

