

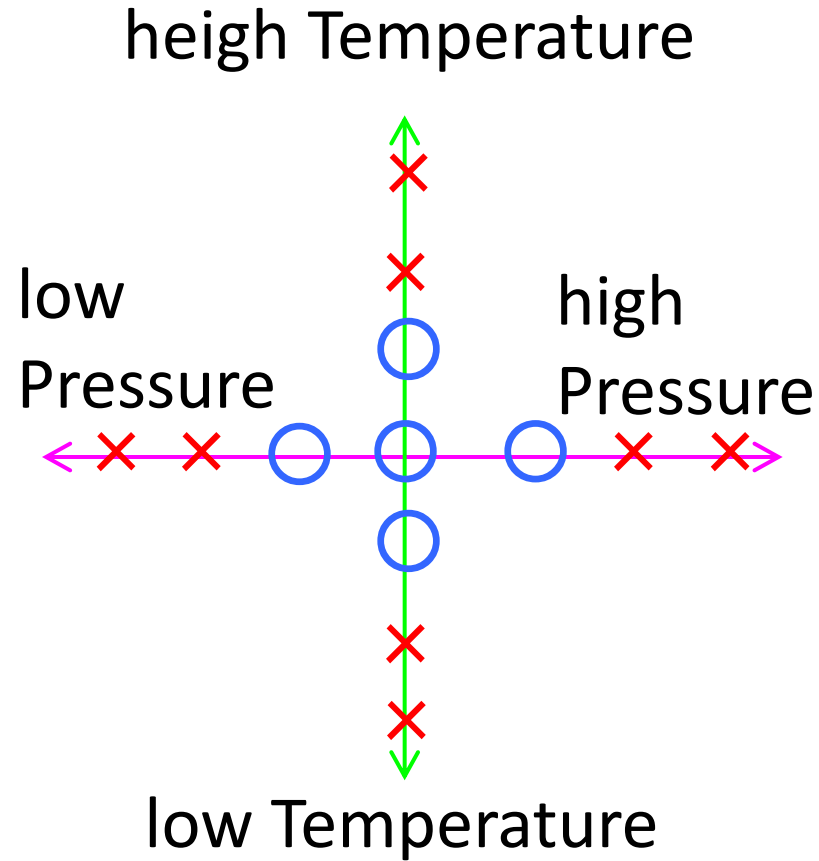
Quality Engineering

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Taguchi Methods

Taguchi methods are statistical methods developed by Dr. Genichi Taguchi to improve the quality of manufactured goods.

Conventional method



○: within the allowable range

×: outside the allowable range

Quality Engineering(QE)

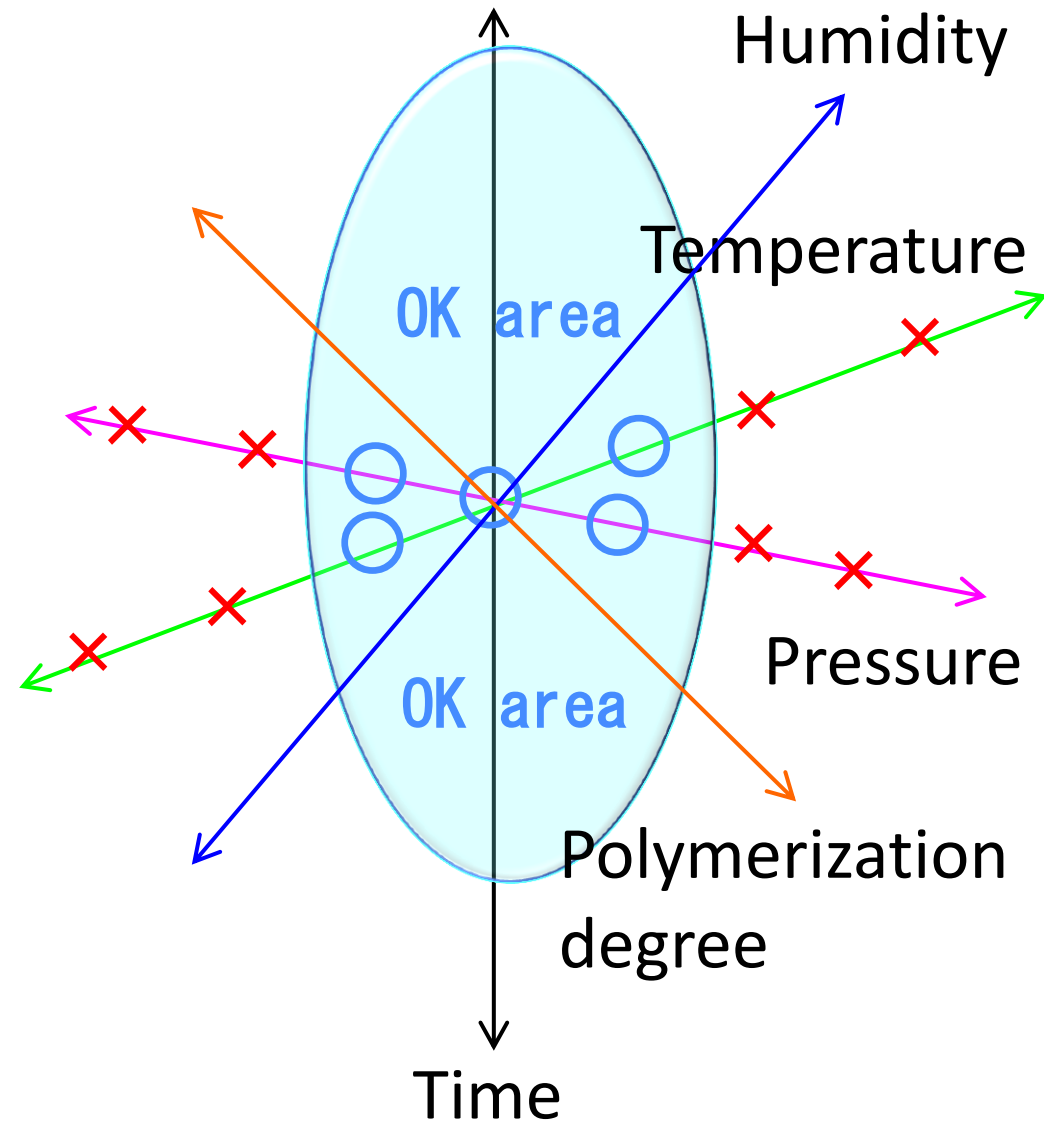


Image of Orthogonal array

eight combined experiments

X \ Y \ Z	1	2
1	①	⑤
2	②	⑥
3	③	⑦
4	④	⑧

L4 Orthogonal array

	X	Y	Z
①	1	1	1
⑥	1	2	2
⑦	2	1	2
④	2	2	1



Level
X 1 , 2
Y 1 , 2
Z 1 , 2

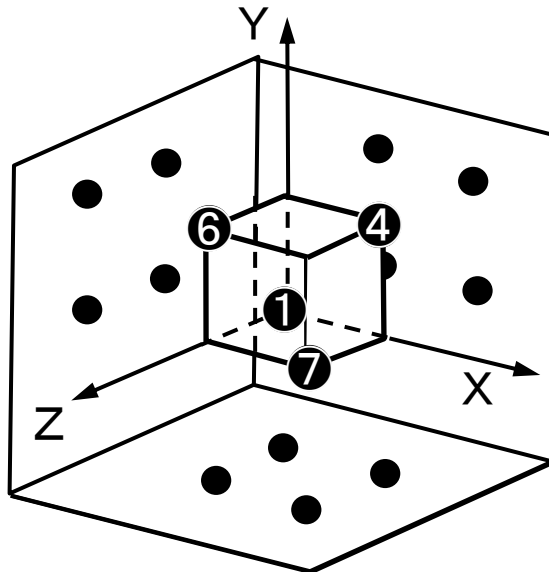


Image of L4 Orthogonal array

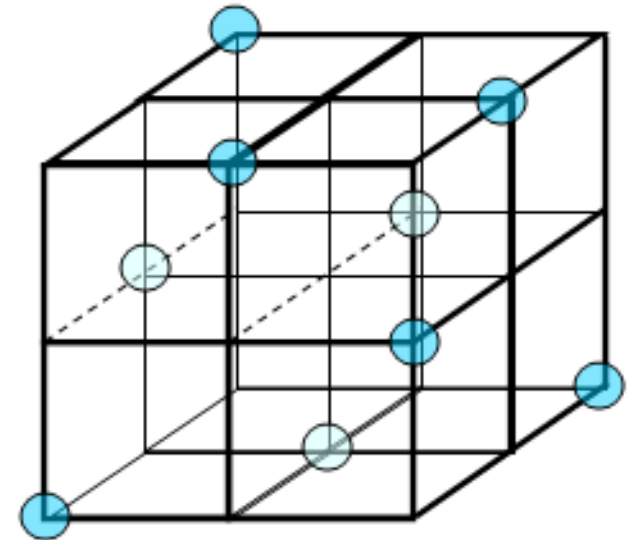


Image of L9 Orthogonal array