

Extended Data Table 6|Correlation coefficient ρ_{iy} in Step2

ρ_{y_12}	ρ_{y_13}	ρ_{y_23}
0.4038	-0.6807	-0.3141

$\rho_{y_12} - \rho_{y_23}$, are the correlation coefficients between different design variables after converting from x-space to y-space(Methods, Eq. (17)). We introduce the parameter $\rho_{y_12} - \rho_{y_23}$, into Methods, Eq. (14) to obtain the joint probability density expression of the design variables.