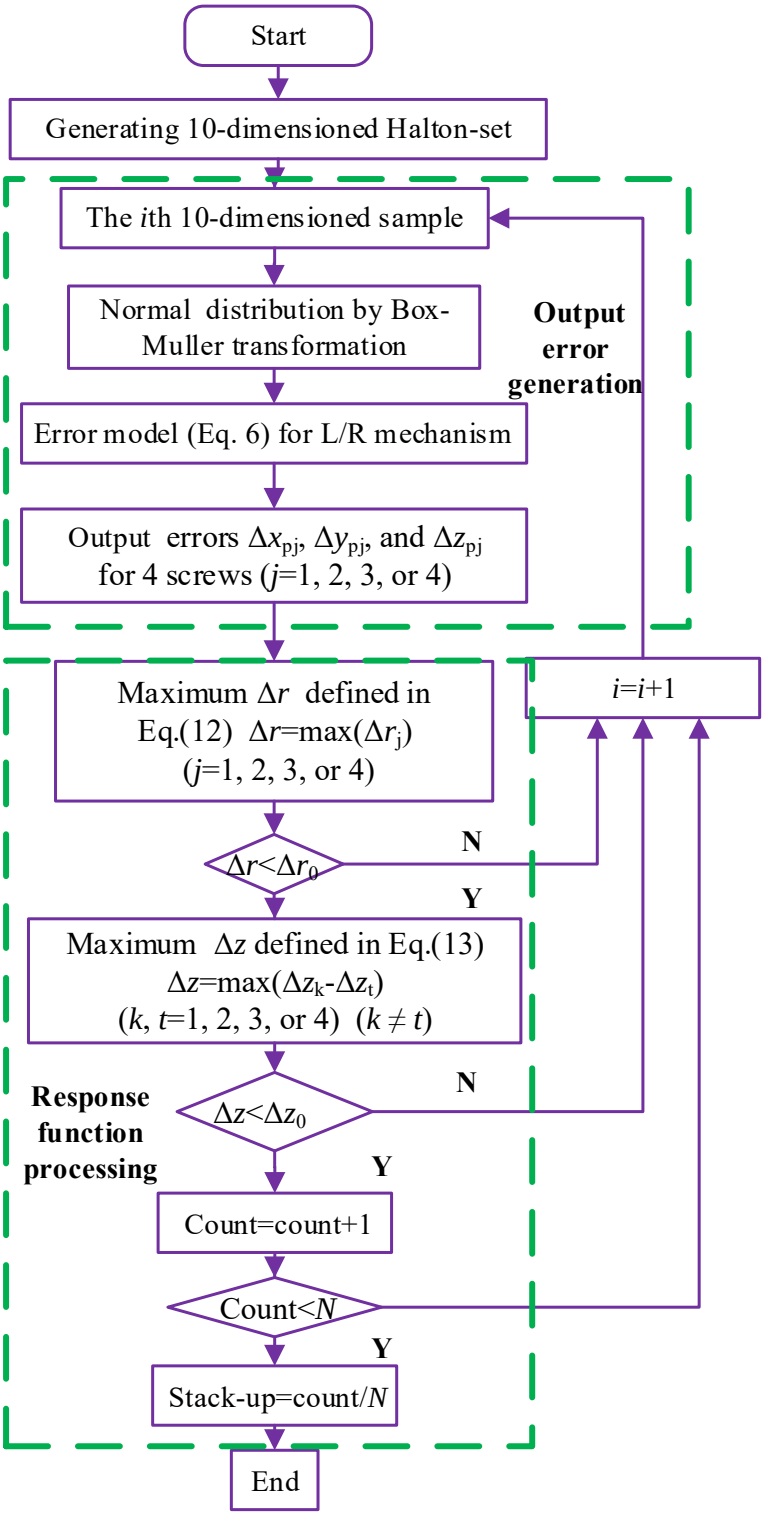
Start
Generating 10-dimensioned Halton-set
The ith 10-dimensioned sample
Normal distribution by Box-Muller transformation
Output error generation
Error model (Eq. 6) for L/R mechanism
Output errors Δx_{pj}, Δy_{pj}, and Δz_{pj} for 4 screws (j=1, 2, 3, or 4)
Maximum Δr defined in Eq.(12) $\Delta r=\max(\Delta r_j)$ (j=1, 2, 3, or 4)
$i=i+1$
$\Delta r<\Delta r_0$
N
Y
Maximum Δz defined in Eq.(13) $\Delta z=\max(\Delta z_k-\Delta z_t)$ (k, t=1, 2, 3, or 4) ($k \neq t$)
Response function processing
$\Delta z<\Delta z_0$
N
Y
Count=count+1
Count<N
Y
Stack-up=count/N
End