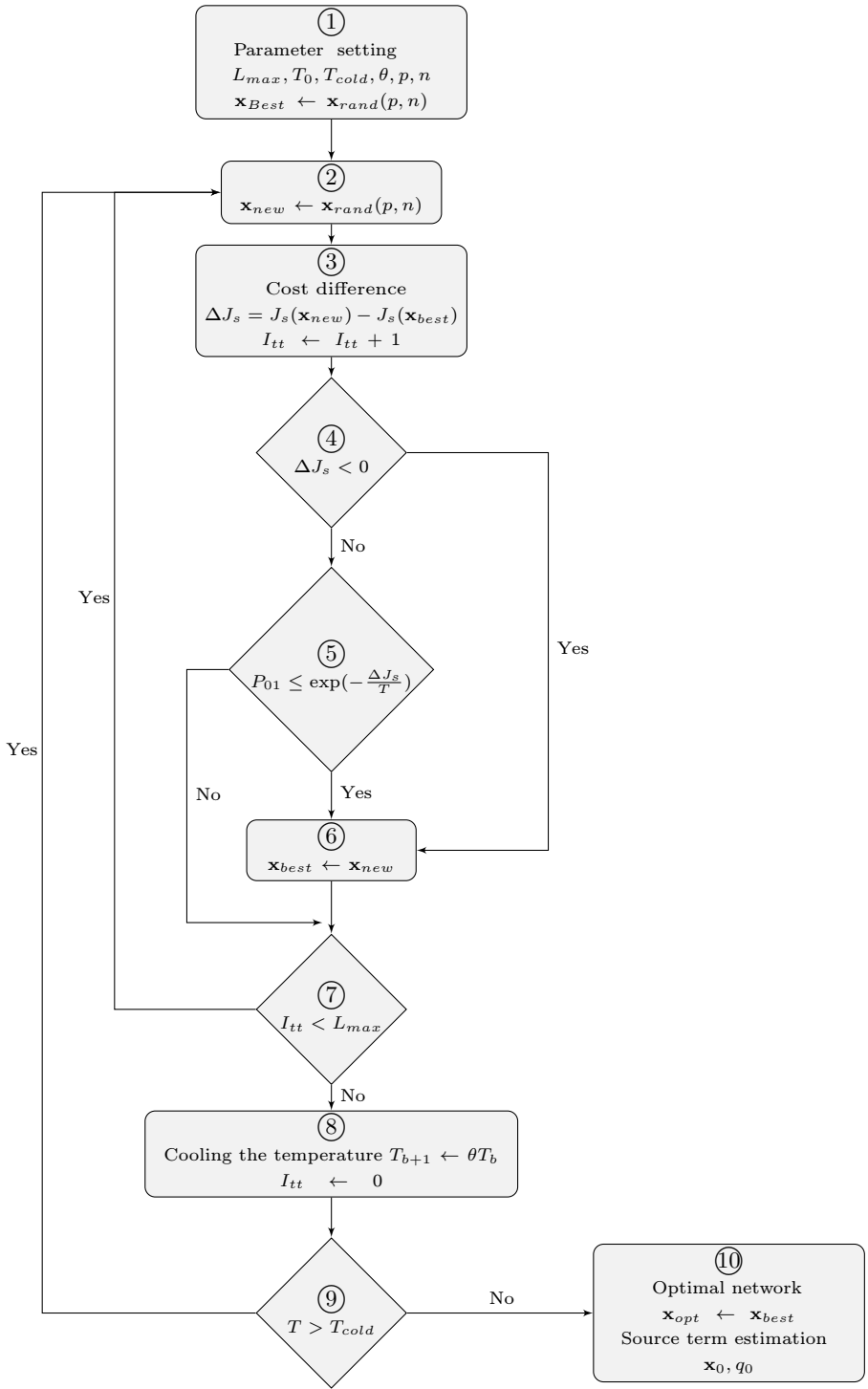
1
Parameter setting
$L_{max}, T_0, T_{cold}, \theta, p, n$
$\mathbf{x}_{Best} \leftarrow \mathbf{x}_{rand}(p, n)$
2
$\mathbf{x}_{new} \leftarrow \mathbf{x}_{rand}(p, n)$
3
Cost difference
$\Delta J_s = J_s(\mathbf{x}_{new}) - J_s(\mathbf{x}_{best})$
$I_{tt} \leftarrow I_{tt} + 1$
4
$\Delta J_s < 0$
No
Yes
5
$P_{01} \leq \exp(-\frac{\Delta J_s}{T})$
Yes
No
6
$\mathbf{x}_{best} \leftarrow \mathbf{x}_{new}$
7
$I_{tt} < L_{max}$
Yes
No
8
Cooling the temperature $T_{b+1} \leftarrow \theta T_b$
$I_{tt} \leftarrow 0$
9
$T > T_{cold}$
Yes
No
10
Optimal network
$\mathbf{x}_{opt} \leftarrow \mathbf{x}_{best}$
Source term estimation
$\mathbf{x}_0, q_0$