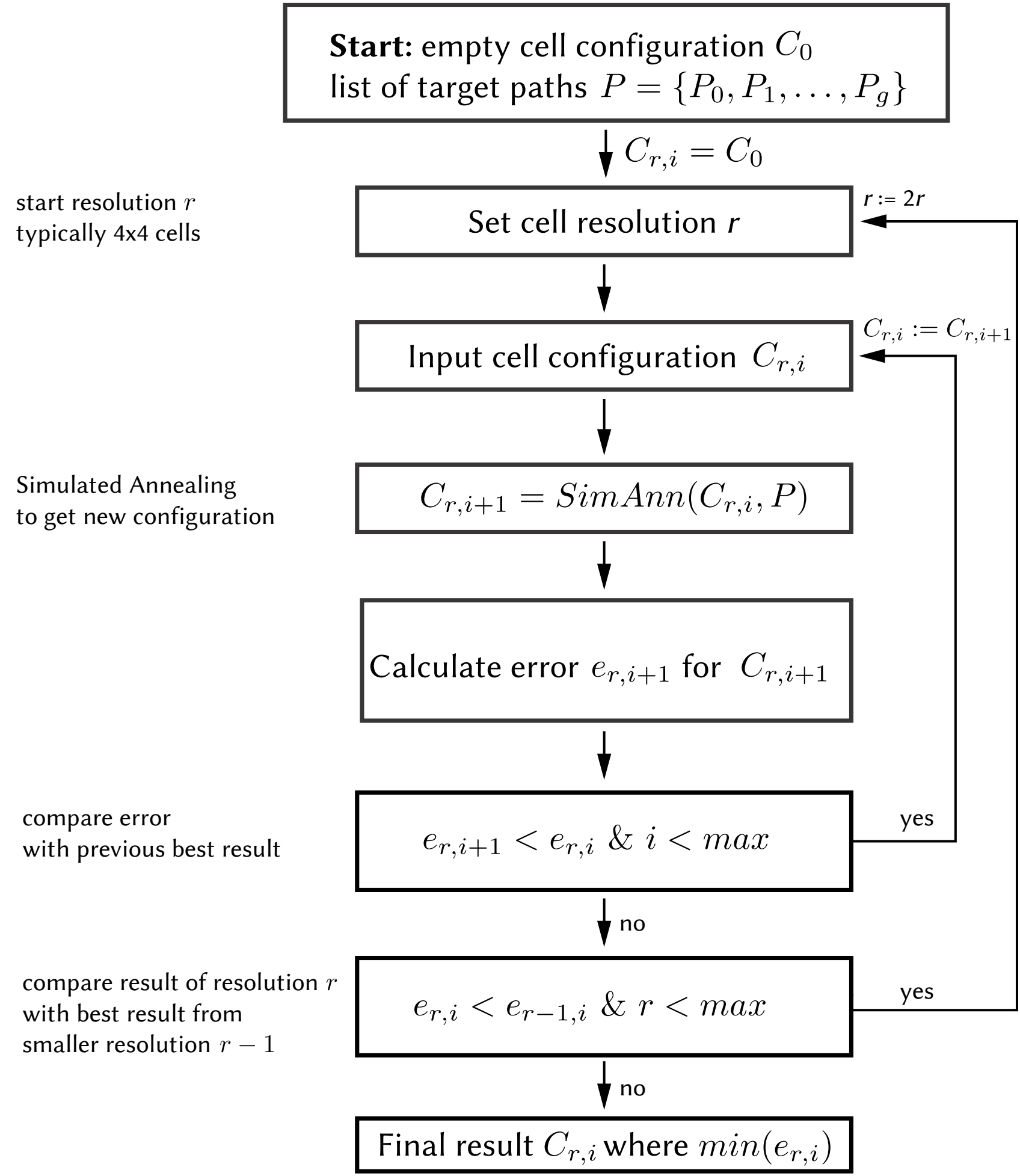
Start: empty cell configuration C_0
list of target paths $P = \{P_0, P_1, \ldots, P_g\}$
$C_{r,i} = C_0$
start resolution r
typically 4x4 cells
Set cell resolution *r*
r := 2*r*
Input cell configuration $C_{r,i}$
$C_{r,i} := C_{r,i+1}$
Simulated Annealing
to get new configuration
$C_{r,i+1} = SimAnn(C_{r,i}, P)$
Calculate error $e_{r,i+1}$ for $C_{r,i+1}$
compare error
with previous best result
$e_{r,i+1} < e_{r,i}$ & $i < max$
yes
no
compare result of resolution r
with best result from
smaller resolution $r-1$
$e_{r,i} < e_{r-1,i}$ & $r < max$
yes
no
Final result $C_{r,i}$ where $min(e_{r,i})$