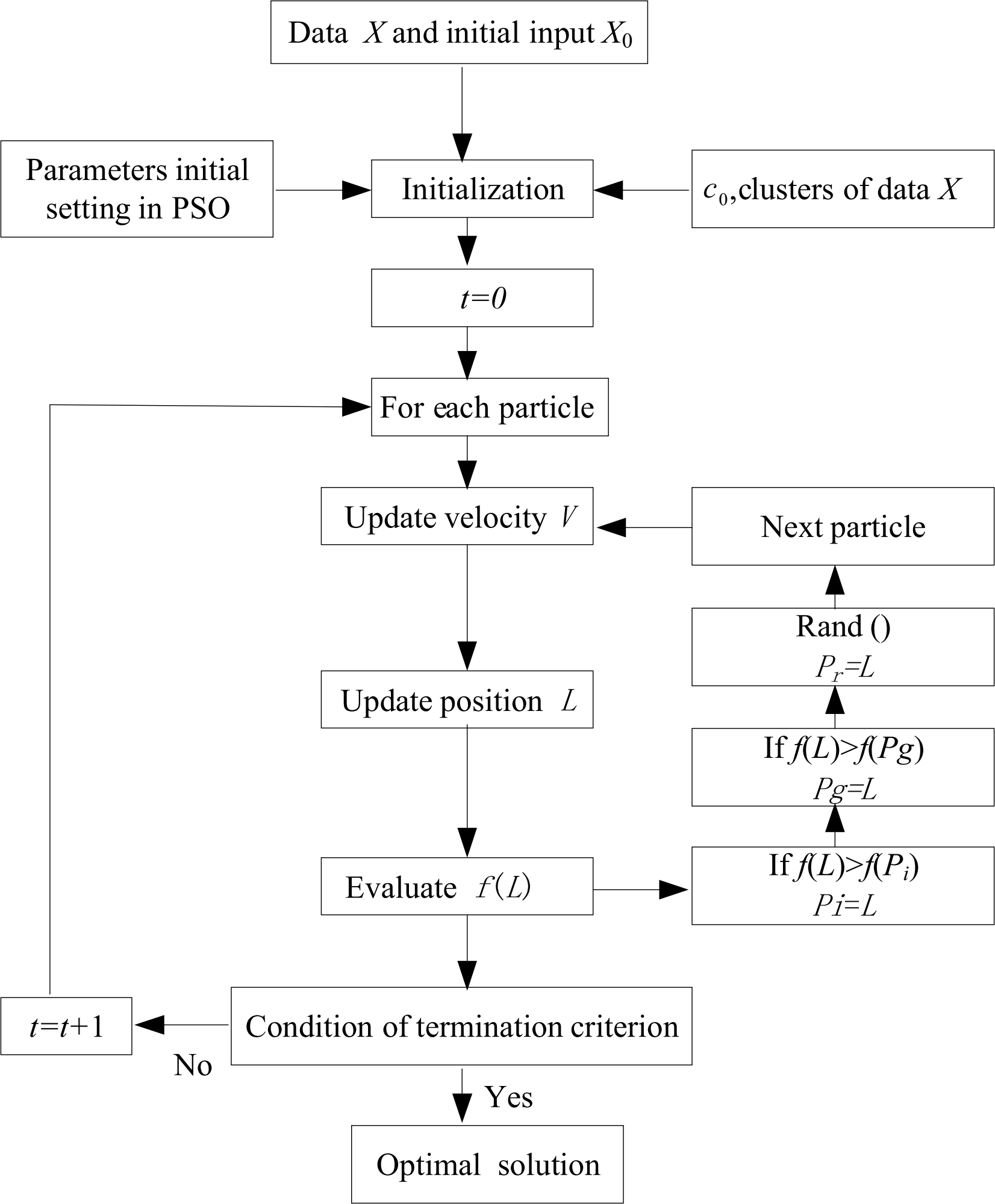
Data X and initial input X_0
Parameters initial setting in PSO
Initialization
c_0,clusters of data X
$t=0$
For each particle
Update velocity V
Next particle
Rand ()
$P_r=L$
Update position L
If $f(L)>f(Pg)$
$Pg=L$
Evaluate $f(L)$
If $f(L)>f(P_i)$
$Pi=L$
$t=t+1$
Condition of termination criterion
No
Yes
Optimal solution