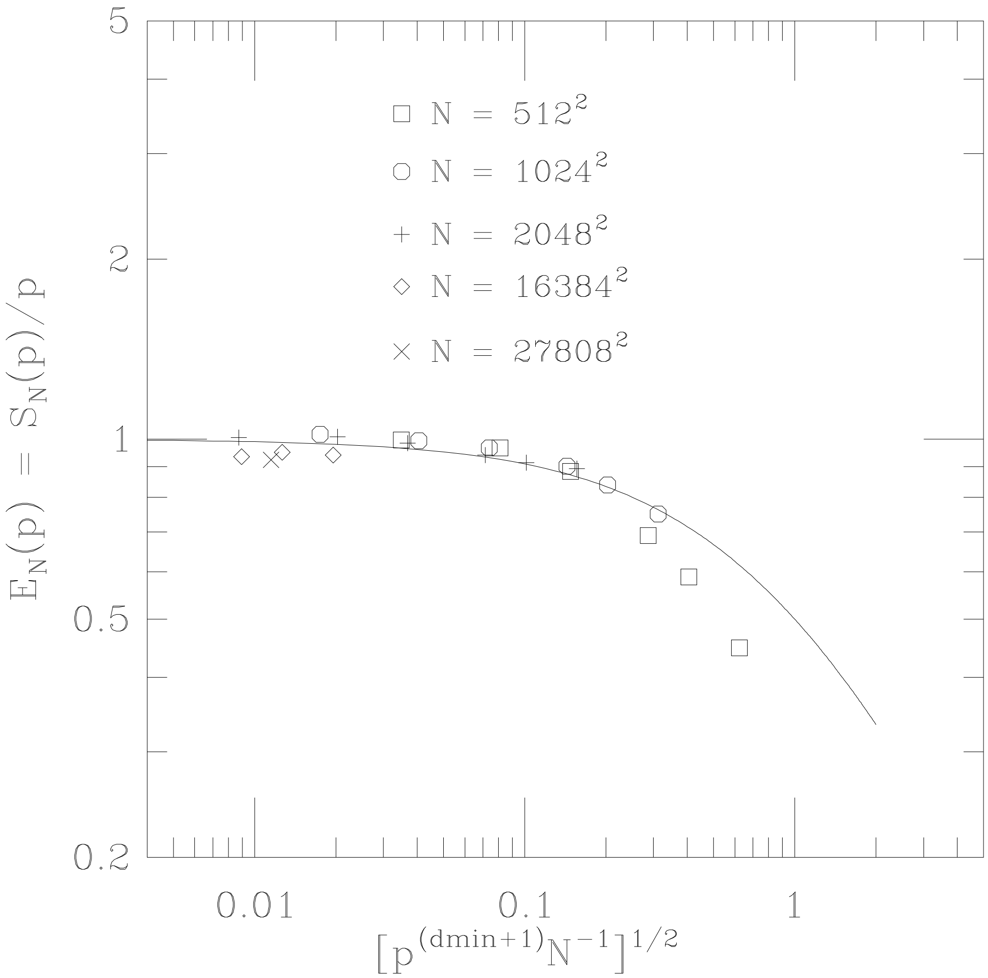
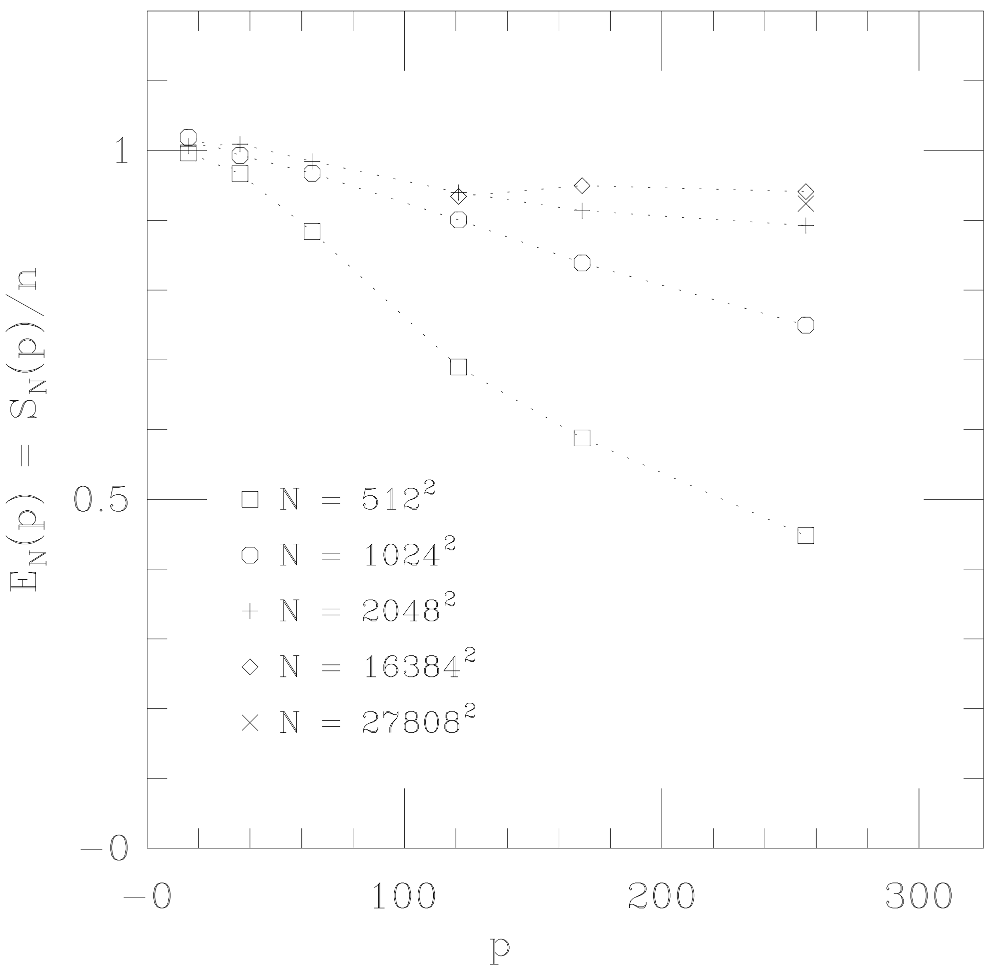


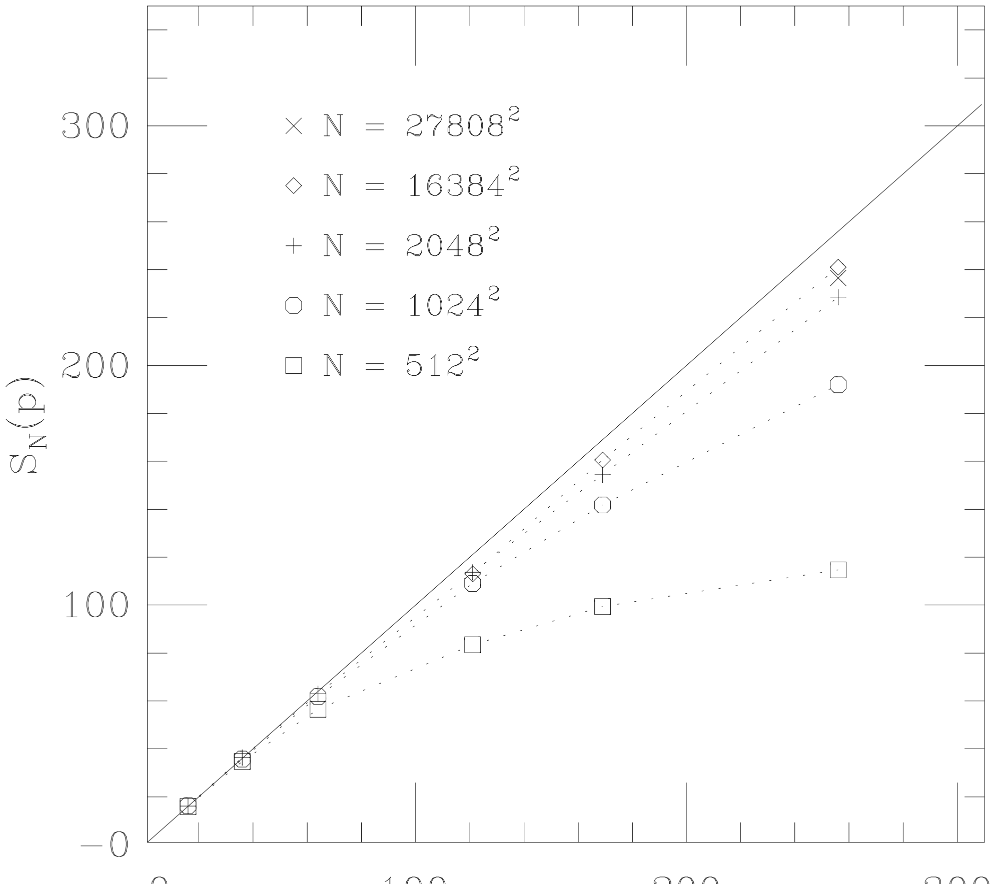
5
2
1
0.5
0.2
0.01
0.1
1
$E_N(p) = S_N(p)/p$
$[p^{(dmin+1)}N^{-1}]^{1/2}$
$N = 512^2$
$N = 1024^2$
$N = 2048^2$
$N = 16384^2$
$N = 27808^2$

FIG. 10



1
0.5
−0
−0
100
200
300
p
$E_N(p) = S_N(p)/n$
$N = 512^2$
$N = 1024^2$
$N = 2048^2$
$N = 16384^2$
$N = 27808^2$

FIG. 9



× N = 27808^2
◇ N = 16384^2
+ N = 2048^2
○ N = 1024^2
□ N = 512^2
300
200
100
−0
−0
100
200
300
$S_N(p)$
p

FIG. 8

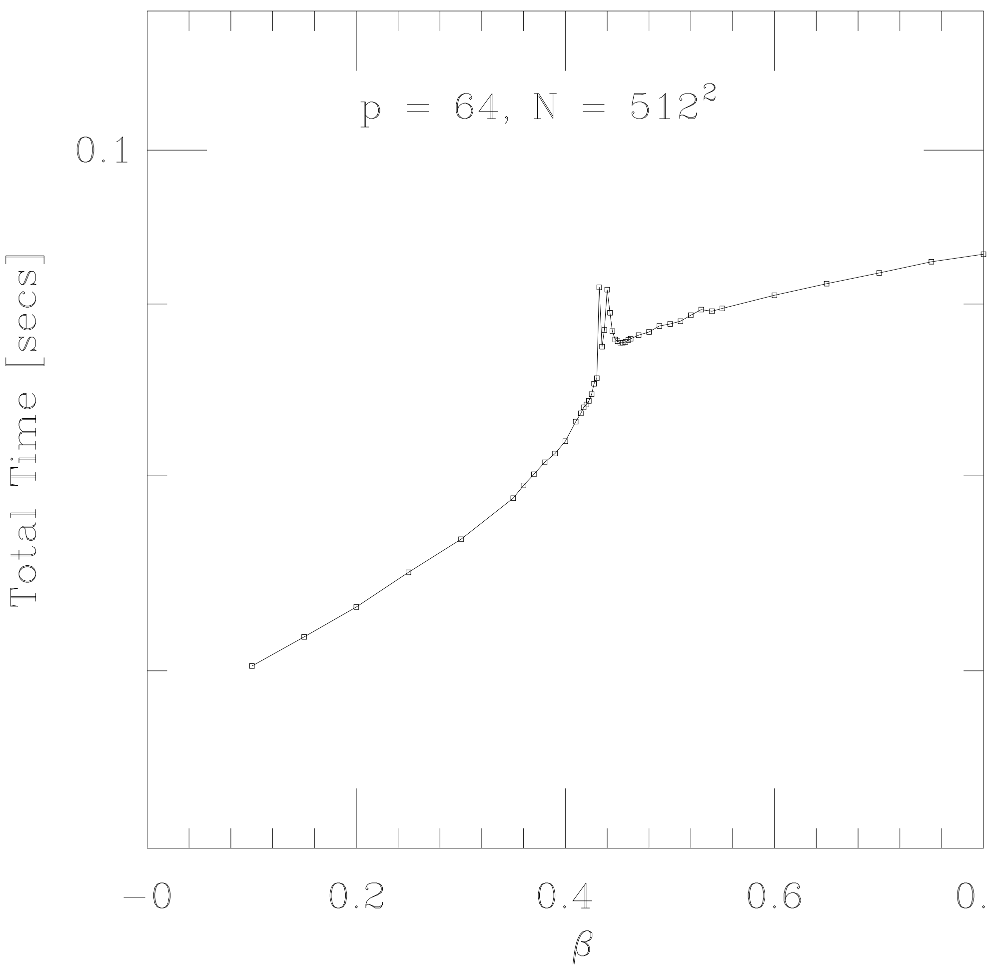


FIG 7.

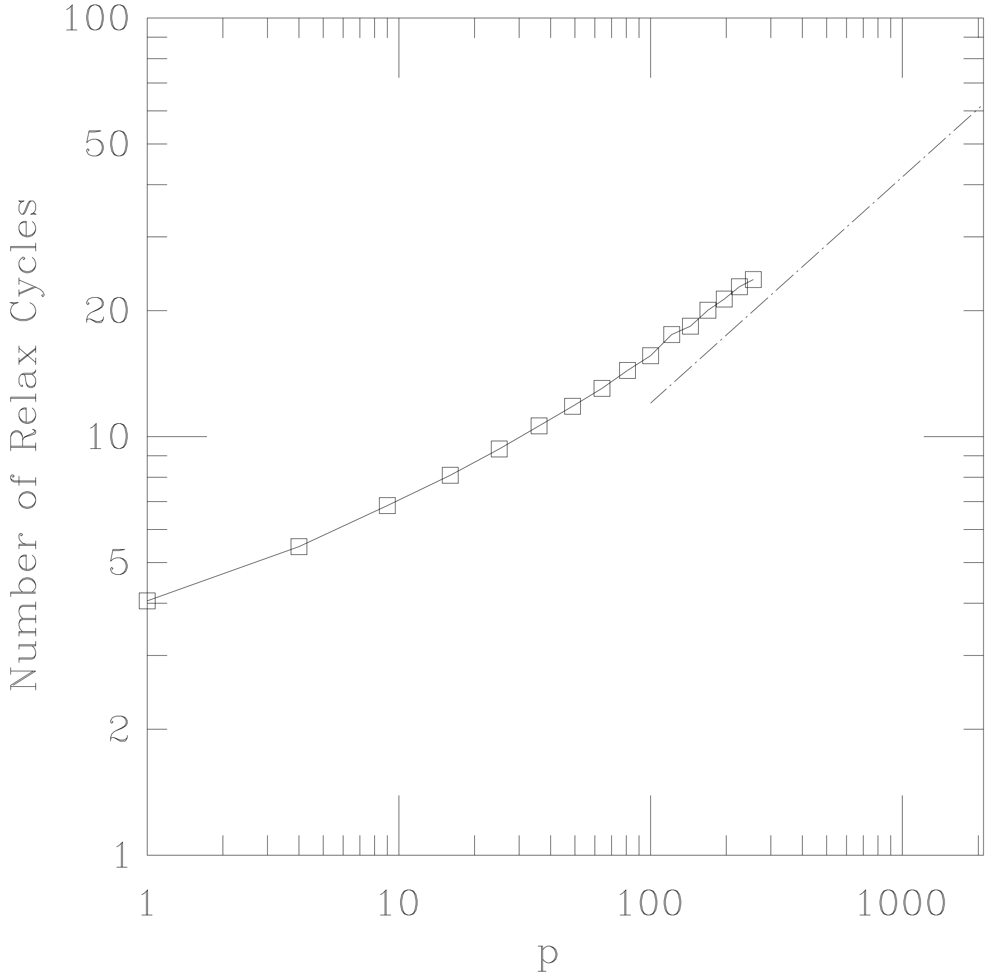
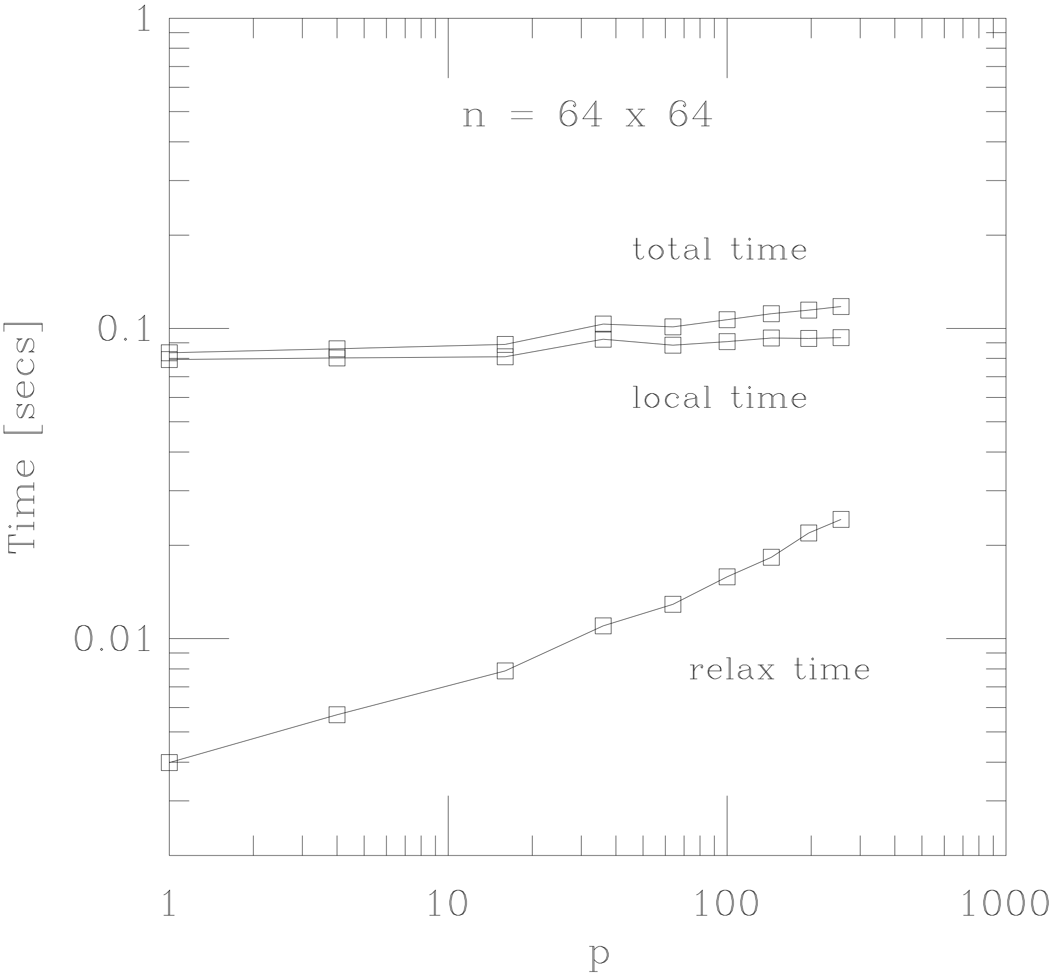
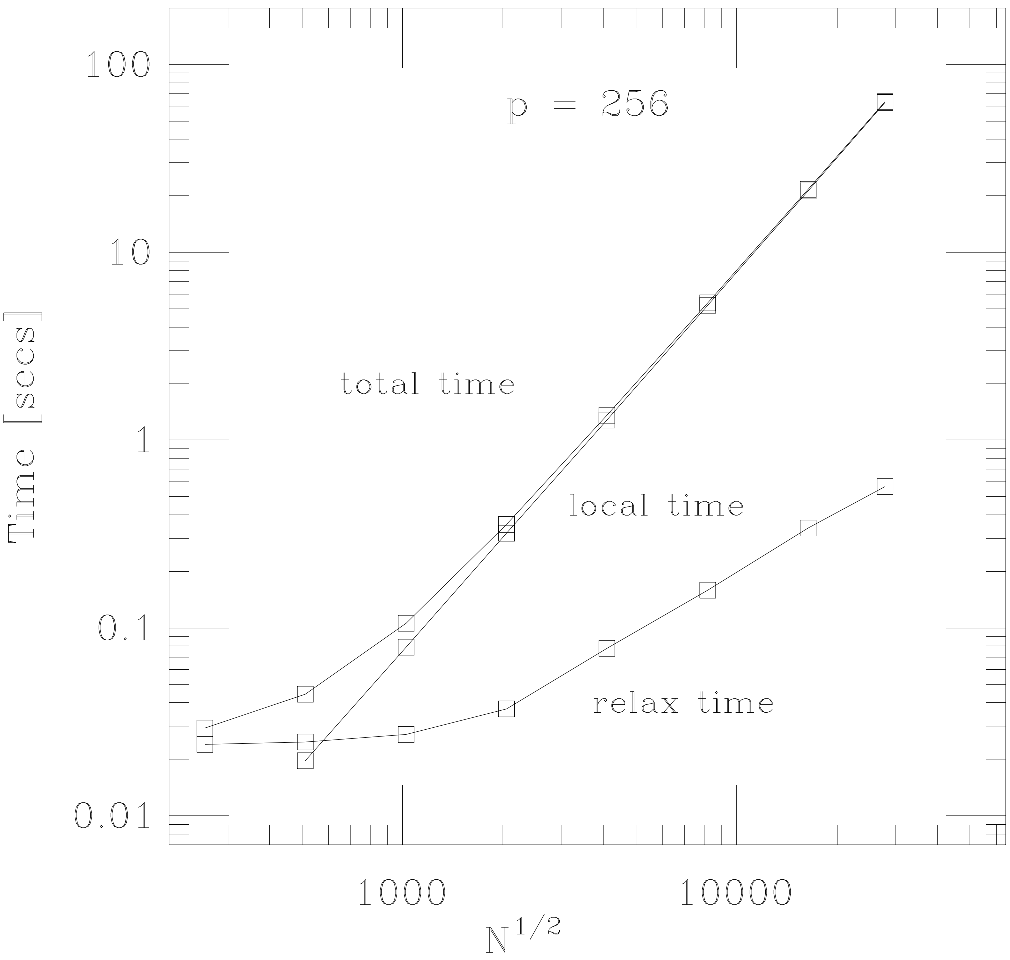


FIG. 6



n = 64 x 64
total time
local time
relax time
Time [secs]
1
0.1
0.01
1
10
100
1000
p

FIG. 5.



p = 256
total time
local time
relax time
Time [secs]
$N^{1/2}$
100
10
1
0.1
0.01
1000
10000

FIG. 4.

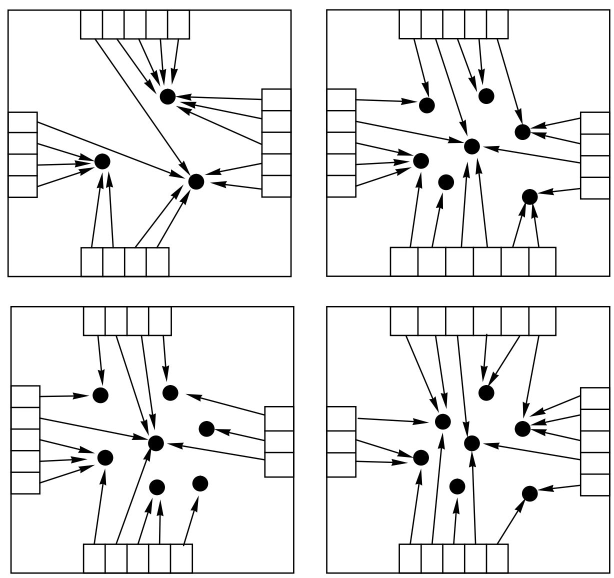


Figure 3

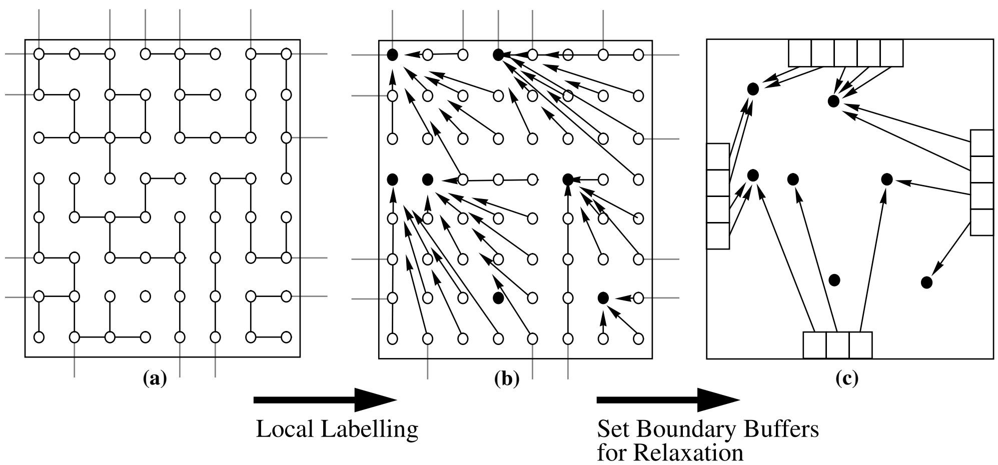


Figure 2

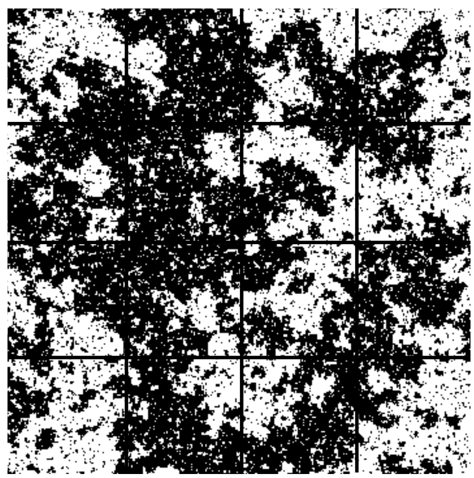


Figure 1