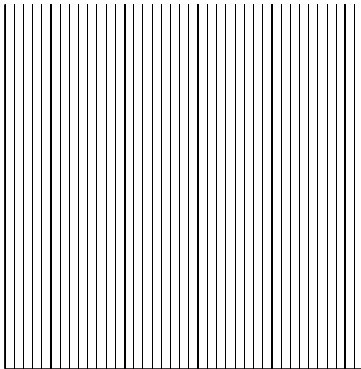


Appendix I: Structure Specifications

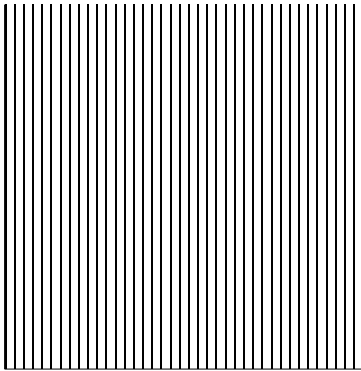
STI Mask

Unless otherwise specified, all units are in microns. Coordinates are referenced to the center of each structure.

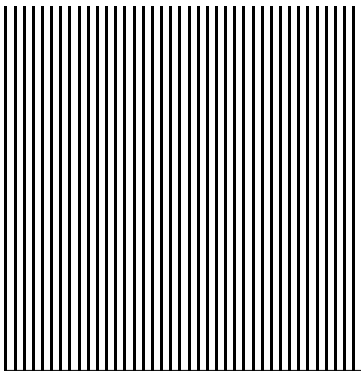
Structure Name: D0
Coordinates: 10000, 14000
Description: 0% Density.
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=0, linespace=100.



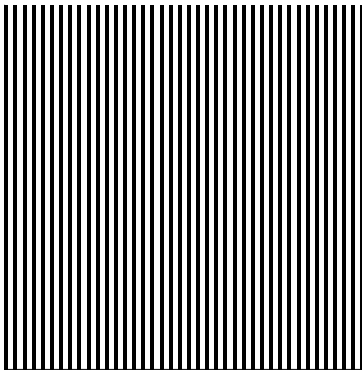
Structure Name: D10
Coordinates: 6000, 18000
Description: 10% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=10, linespace=90



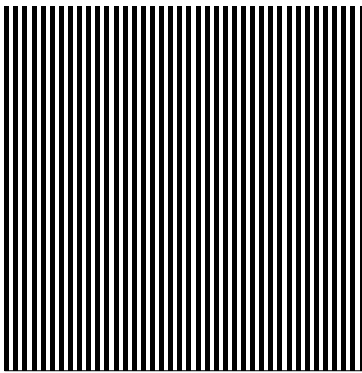
Structure Name: D20
Coordinates: 6000, 14000
Description: 20% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=20, linespace=80.



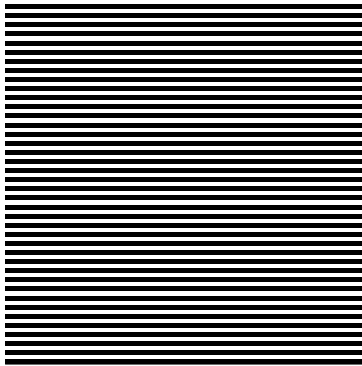
Structure Name: D30
Coordinates: 10000, 10000 and 18000, 14000
Description: 30% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=30, linespace=70.



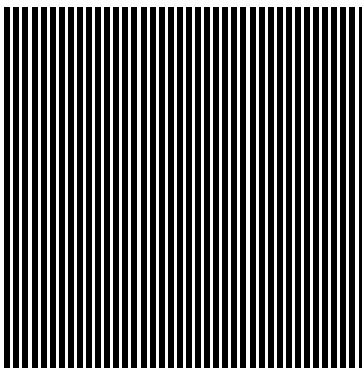
Structure Name: D40
Coordinates: 6000, 10000
Description: 40% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=40, linespace=60.



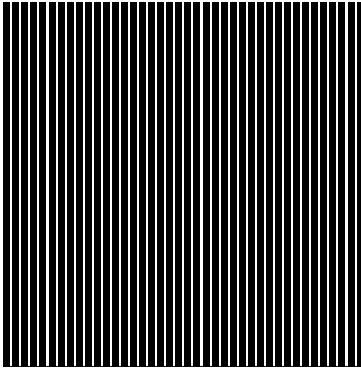
Structure Name: D50V
Coordinates: 2000, 10000 and 18000, 18000
Description: 50% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=50, linespace=50.
Vertical pitch.



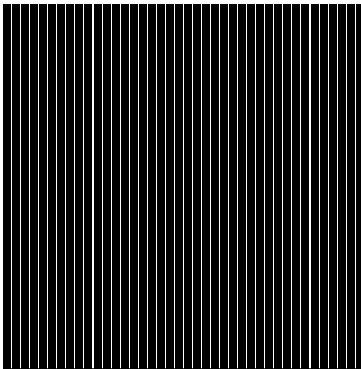
Structure Name: D50H
Coordinates: 2000, 18000 and 18000, 10000
Description: 50% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=50, linespace=50.
Horizontal pitch.



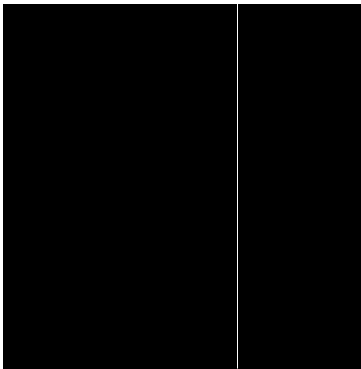
Structure Name: D60
Coordinates: 14000, 10000
Description: 60% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=60, linespace=40.



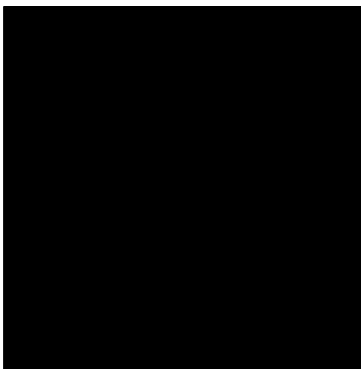
Structure Name: D70
Coordinates: 14000, 18000
Description: 70% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=70, linespace=30.



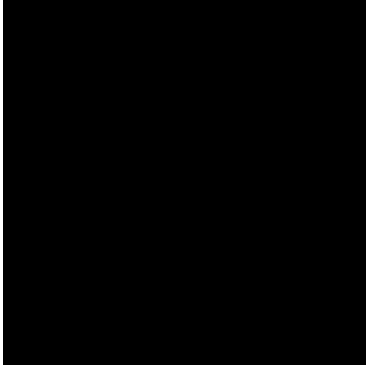
Structure Name: D80
Coordinates: 10000, 18000
Description: 80% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=80, linespace=20.



Structure Name: D90
Coordinates: 14000, 14000
Description: 90% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=90, linespace=10.



Structure Name: D100
Coordinates: 2000, 14000
Description: 100% Density
The structure size is 4000 x 4000.
The pitch is fixed at 100: linewidth=100, linespace=0.



Structure Name: P1
Coordinates: 2000, 6000
Description: 1um Pitch

The structure size is 4000 x 4000.

Density is fixed at 50%: linewidth=0.5, linespace=0.5

The 20 μ m x 20 μ m spot size of active region is located at 2000, 6000.



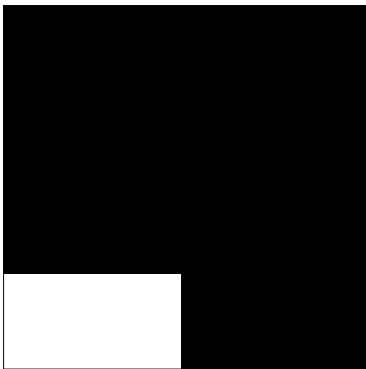
Structure Name: P2
Coordinates: 2000, 2000
Description: 2um Pitch

The structure size is 4000 x 4000.

Density is fixed at 50%: linewidth=1, linespace=1

The lower left corner is occupied by SEM structure.

The 20 μ m x 20 μ m spot size of active region is located at 2000, 2000.



Structure Name: P5
Coordinates: 6000, 6000
Description: 5um Pitch

The structure size is 4000 x 4000.

Density is fixed at 50%: linewidth=2.5, linespace=2.5

The 20 μ m x 20 μ m spot size of active region is located at 6000, 6000.

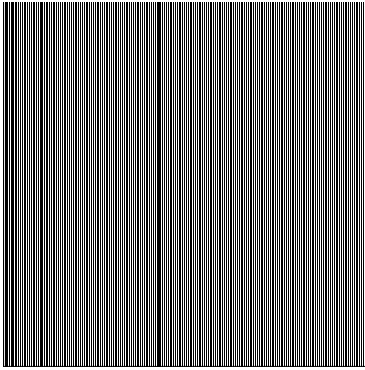


Structure Name: P10
Coordinates: 6000, 2000
Description: 10um Pitch

The structure size is 4000 x 4000.

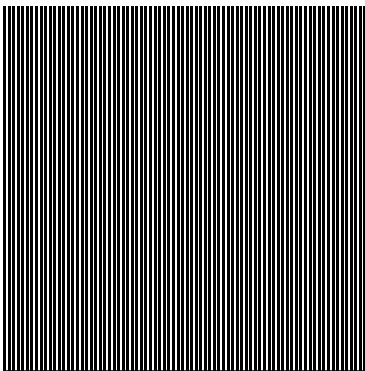
Density is fixed at 50%: linewidth=5, linespace=5

The 20 μ m x 20 μ m spot size of active region is located at 6000, 2000.

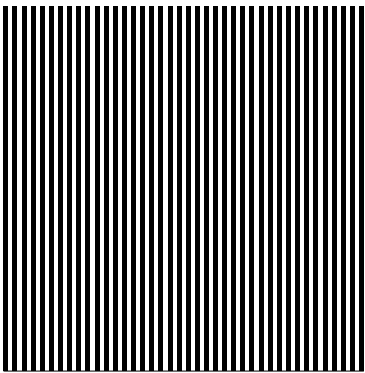


Structure Name: P20
Coordinates: 10000, 6000
Description: 20um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=10, linespace=10

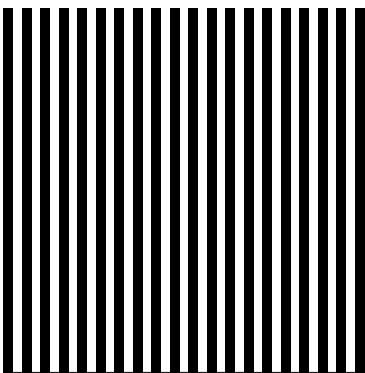
The 20 μ m x 20 μ m spot size of active region is located at 10000, 6000.



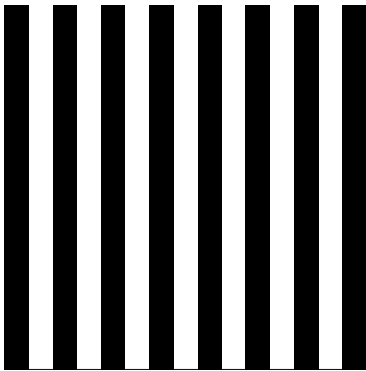
Structure Name: P50
Coordinates: 10000, 2000
Description: 50um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=25, linespace=25



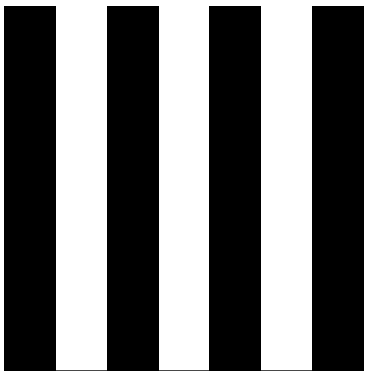
Structure Name: P100
Coordinates: 14000, 6000
Description: 100um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=50, linespace=50



Structure Name: P200
Coordinates: 14000, 2000
Description: 200um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=100, linespace=100



Structure Name: P500
Coordinates: 18000, 6000
Description: 500um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=100, linespace=100



Structure Name: P1000
Coordinates: 18000, 2000
Description: 1000um Pitch
The structure size is 4000 x 4000.
Density is fixed at 50%: linewidth=500, linespace=500