
01

M =

-1	-1	-1
1	-1	1
-1	1	1

Magnetization of 3X3 matrix is

Mag =

-0.1111

M =

-1	1	1	-1	-1	1	-1	1	1	-1
-1	-1	1	1	-1	1	1	1	-1	1
1	1	1	-1	1	-1	-1	1	-1	1
1	-1	-1	-1	1	1	-1	-1	1	1
-1	1	-1	1	-1	-1	-1	-1	-1	1
1	1	-1	-1	-1	1	1	1	-1	-1
1	1	-1	-1	-1	-1	1	-1	-1	-1
1	-1	1	-1	-1	1	1	1	-1	1
1	-1	1	1	1	-1	1	-1	-1	1
-1	1	-1	1	-1	1	-1	1	-1	-1

Magnetization of 10X10 matrix is

Mag =

-0.0200

Magnetization of 64X64 matrix is

Mag =

-4.8828e-04

Average magnetization of 50 3X3 matrix is

Magb =

0.1200

with variance

disMag =

0.1125

Average magnetization of 50 10X10 matrix is

Magb =

0.0048

with variance

disMag =

0.0098

Average magnetization of 50 64X64 matrix is

Magb =

-0.0035

with variance

disMag =

2.3982e-04

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