

Heatmap visualization of the 10x10 matrix of the 1000th iteration of the 2D Ising model. The color scale ranges from 2500 (dark blue) to 4050 (dark red). The matrix shows a clear diagonal pattern of high values, indicating strong correlations between sites close to each other. The values decrease as the distance from the diagonal increases, with the lowest values (around 2900) found at the corners.

