

Figure 10 is a line plot showing the performance of different blocking sizes ($M_{BLOCKING}$) and sparsity levels (sparse, wide-sparse, dense) on the Density axis. The x-axis represents Density, ranging from 0.00 to 0.25. The y-axis represents performance, with a logarithmic scale indicated by the '10' in the legend. The legend identifies the following series:

- Reference LIBXSMM (blue line)
- $M_{BLOCKING}=1$ (orange line with circles)
- $M_{BLOCKING}=2$ (green line with circles)
- $M_{BLOCKING}=3$ (red line with circles)
- $M_{BLOCKING}=4$ (purple line with circles)
- $M_{BLOCKING}=5$ (brown line with circles)
- sparse (blue circles)
- wide-sparse (blue squares)
- dense (blue triangles)

The plot shows that performance generally increases with density. The dense configuration (blue triangles) shows a sharp drop in performance at low densities. The wide-sparse configuration (blue squares) shows a sharp drop in performance at low densities. The Reference LIBXSMM (blue line) shows a sharp drop in performance at low densities. The $M_{BLOCKING}=5$ configuration (brown line) shows the highest performance across most densities.

