

Figure 10 is a line plot showing the relative error of the LIBSVM solver versus the density of the input matrix. The x-axis is labeled 'Density' and ranges from 0.0 to 0.5. The y-axis is labeled 'Relative error' and is on a logarithmic scale from 10^{-1} to 10^1 . The plot compares the Reference LIBXSMM (blue line) with N_BLOCKING=1 (orange line), N_BLOCKING=2 (green line), and N_BLOCKING=3 (red line). For each blocking factor, three markers are used: sparse (circle), wide-sparse (square), and dense (triangle). The error generally increases with density, with N_BLOCKING=3 showing the highest error and N_BLOCKING=1 showing the lowest error. The Reference LIBXSMM is consistently the most accurate.

