

Figure 10 is a line graph showing the number of non-zero elements in the matrix product for different matrix types (sparse, wide-sparse, dense) using Reference LIBXSMM and Custom LIBXSMM. The x-axis is 'Number of Columns' (0 to 200). The y-axis is 'Number of Non-zero Elements' (0 to 1000). The graph shows that the Custom LIBXSMM implementation generally results in fewer non-zero elements than the Reference LIBXSMM, especially for dense matrices.

Number of Columns	Reference LIBXSMM (sparse)	Reference LIBXSMM (wide-sparse)	Reference LIBXSMM (dense)	Custom LIBXSMM (sparse)	Custom LIBXSMM (wide-sparse)	Custom LIBXSMM (dense)
10	~100	~100	~100	~100	~100	~100
25	~100	~100	~100	~100	~100	~100
55	~100	~100	~100	~100	~100	~100
65	~100	~100	~100	~100	~100	~100
85	~100	~100	~100	~100	~100	~100
95	~100	~100	~100	~100	~100	~100
195	~100	~100	~100	~100	~100	~100

