

Heatmap showing the distribution of the number of non-zero elements in the product of two sparse matrices. The x-axis represents the number of non-zero elements (2 to 20), and the y-axis represents the number of matrix pairs (1 to 10). The color scale ranges from dark red (high frequency) to yellow (low frequency). The distribution is concentrated in the top-left corner, indicating that most products have a small number of non-zero elements.