

A heatmap visualization of the Hilbert matrix, which is a symmetric, positive-definite matrix. The matrix is 14x14, with rows and columns indexed from 0 to 13. The color scale ranges from 0 (dark purple) to 1 (bright yellow). The diagonal elements are bright yellow, indicating high values. The off-diagonal elements are dark purple, indicating low values. The matrix is symmetric, with the same value at (i, j) and (j, i).

