

The figure shows a 2D heatmap of a function  $f(x, y)$  over the domain  $[0, 100] \times [0, 100]$ . The x-axis is labeled 'x' and ranges from 0 to 100. The y-axis is labeled 'y' and ranges from 0 to 100. The color scale ranges from blue (low values) to red (high values). The function is symmetric about the line  $y=x$ , with a bright yellow/white region along the diagonal and a dark blue region in the bottom-left corner.

