

The figure displays a heatmap of a 2D function, likely a Gaussian or similar bell-shaped curve, centered at the coordinates (2, 2). The x-axis is labeled 'x' and ranges from 0 to 8, with major ticks every 1 unit. The y-axis is labeled 'y' and ranges from 0 to 8, with major ticks every 1 unit. The color scale represents the function's value, ranging from 0.0 (dark purple) to 1.0 (yellow). The peak of the function is located at (2, 2) with a value of 1.0. The function decays as the distance from the center increases, with values dropping to approximately 0.2 at a distance of 2 units and approaching 0.0 at the edges of the plot.

