

The figure displays a 2D heatmap of a function $f(x, y)$ over the domain $x \in [-10, 10]$ and $y \in [-10, 10]$. The color scale ranges from 0 (dark purple) to 10 (yellow). The function is symmetric about the x-axis and shows a sharp transition from high values (yellow) near the x-axis to low values (dark purple) as the y-coordinate increases in magnitude.

