

The heatmap displays a 2D function over a 15x15 grid. The color scale is as follows:

Color	Value Range
Dark Blue	[-1.0, -0.5]
Blue	[-0.5, 0.0]
Light Blue	[0.0, 0.5]
White	[0.5, 1.0]
Light Orange	[1.0, 1.5]
Orange	[1.5, 2.0]
Dark Orange	[2.0, 2.5]
Red	[2.5, 3.0]
Dark Red	[3.0, 3.5]

The visualization shows a complex pattern of peaks and valleys. A prominent dark red region (high values) is located in the lower right quadrant, while a dark blue region (low values) is in the upper left quadrant. The function exhibits a mix of local maxima and minima across the domain.

