

$$R(\theta, \delta_0)$$

$$\|\theta\|$$


The figure shows a plot of a function $R(\theta, \delta_0)$ against the norm $\|\theta\|$. The horizontal axis is labeled $\|\theta\|$ and the vertical axis is labeled $R(\theta, \delta_0)$. The function is a smooth, symmetric curve that starts at a positive value on the vertical axis, rises to a maximum at the origin, and then decreases as $\|\theta\|$ increases. A horizontal line is drawn at the level of the maximum, and a vertical line is drawn at the origin. The point of maximum is marked with a black dot.