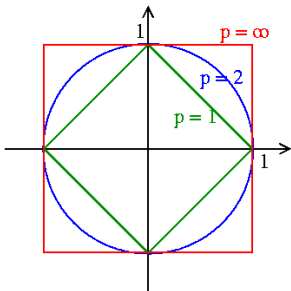


- The  $L_\infty$  norm is the maximum of the distances along individual coordinate axes

$$L_\infty(\mathbf{x}, \mathbf{y}) = \max_{i=1}^d |\mathbf{x}_i - \mathbf{y}_i|.$$



**Figure 3:** Each colored shape consists of points at a distance 1.0 from the origin, measured using different values of  $p$  in the Minkowski  $L_p$  metric.