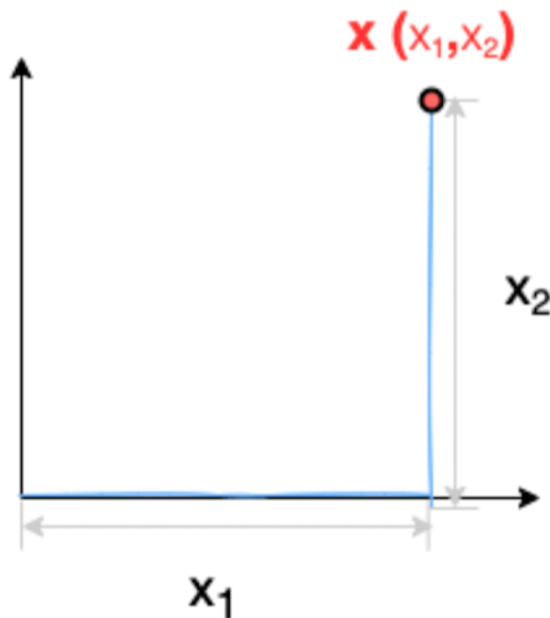


Vector Norms

Friday, 25 July 2025 10:39 PM

L1 norms it is defined as the sum of magnitude of each component $a = (a_1, a_2, a_3)$ and that is your L1 one norms of vectors

$$||x||_1 = |x_1| + |x_2|$$



L2 norm It is defined as the square root of sum of squares of each component L2 norm of vector

$$||x||_2 = \sqrt{x_1^2 + x_2^2}$$

