Horror propert in respect

that refers to a function that measurer the larger. of a vector.

12 Norm: Sem of the absolute values of the components

Manhattan Distance:

d(x94) = 124-41+122-421+--+(2n-3n)

to Norm: Square root of the room of the exquared

NX412 = \292. + 22 4 -- + 222

Euclidean Distance:

 $d(x,y) = \sqrt{(x_1 - y_1)^2 + (x_2 - y_2)^2 + - - + (x_n - y_n)^2}$

Infinity Norm (max norm); Maximum absolute value of the components. 1121bc = max (1211, 1221, -- 1271)

æ = (3, -7, 2)

11a11a = max (131s 1-71s121)= max (3,7,2) = 7