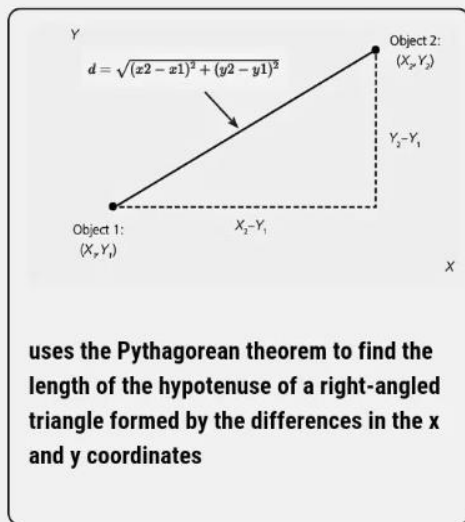


EUCLIDEAN DISTANCE

In Simple Terms

Euclidean distance is a measure of the straight-line distance between two points in space. **It is the distance you would travel if you could move directly from one point to the other, as if you were a bird flying between two locations.**

In simple terms, if you have two points **A** and **B** with coordinates **(x1, y1)** and **(x2, y2)**, the **Euclidean distance (d)** between them is calculated using the following formula:



- **(x2-x1)**: The horizontal difference between the x-coordinates of points A and B.
- **(y2-y1)**: The vertical difference between the y-coordinates of points A and B.
- **(x2-x1)²+(y2-y1)²**: The sum of the squared horizontal and vertical differences.
- **d** is The square root of the sum, giving the straight-line distance.