

Q → Polygon law of forces :-)

Polygon law of forces is the geometrical form of evaluating the resultant of two competing forces.

Explanation:

Law of polygon of forces can be defined as

when the sides of a polygon taken in order represent a number of forces that are acting at the same time on a particle in direction and magnitude their resultant can be represented in magnitude and direction by the polygon's closing hand taken in opposite order. It states if a number of concurrent forces acting simultaneously on a body, be represented in magnitude and direction by the sides of the polygon taken in order then their resultant.