Answer on Question #46811 – Math – Vector Calculus

Question:

What type of vector is w+(-w)=0

null vector

scalar vector

vector

magnitude

Solution:

A null vector is a vector having magnitude equal to zero. It is represented by $\vec{0}$. A null vector has no direction or it may have any direction. Generally a null vector is either equal to resultant of two equal vectors acting in opposite directions or multiple vectors in different directions.

$$\vec{0} = \vec{w} + (-\vec{w})$$

Answer: **null vector**