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Jan 27-10:05 AM

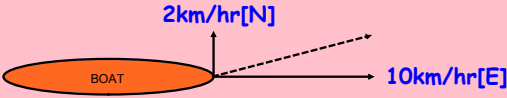
S9.1 Introduction to Vectors

Definition: A scalar quantity is simply an amount such as a dollar figure, speed (45mph or 60km/hr), or a distance (500km).

Definition: A vector is quantity that bears a direction. Hence we can speak of a velocity (45mph[N] or 60km/hr [E]), or a displacement (500km[right]).

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Example: A motor boat is travelling 10km/hr east in a river where there is a current of 2km/hr north. We can draw the vectors that affect this boat.



2km/hr[N]
10km/hr[E]
BOAT

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