Answer on Question #64486, Physics / Mechanics | Relativity

A motor boat on the river to move from point A from a float on the water outpaces supplies. After 60 minutes the boat changes direction and then again to the board at a distance of 6 km from point A appears. If boats can be assumed to be constant, to find water flow rate

Find: v - ?

Given:

t=60 minutes=3600 s

l=6 km=6000 m

Solution:

Water flow rate:

$$v = \frac{l}{t}(1)$$

Of (1) \Rightarrow v=1.67 m/s

Answer:

1.67 m/s (0.1 km/min, 6 km/hour)

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