1 | boatman problem

Target displacement: (3km, 2km)

We are working with the velocities of the boat and the river. The velocity of the river is defined as $r=\langle 0,-3.5\rangle$. We want to find vector $v=\langle v_x,v_y\rangle$ s.t.

$$|v|=13 \text{ km/h}$$

$$\lambda(v+r)=\langle 3,2\rangle$$

Where the trip will take λ hours

Taproot • 2021-2022 Page 1