

Answer on Question #53209, Physics / Mechanics | Kinematics | Dynamics

An airplane is flying to a city due west from its current location. If there is a slight wind blowing to the southwest, in what direction must the plane head (that is, in what direction must it point)? Explain your answer using a diagram

Solution:

The airplane would have to be on an angle to counter the wind, it is impossible to state the angle with no given speeds but we do know that the airplane must travel Northwest to arrive at its destination to the west.

