

Aero 2 Recommended Assessment

Hardware Interfacing

1. In what direction does the disk rotate (clockwise or counter-clockwise) when a positive input is applied in step 3 in [Driving the DC Motor](#) section of the [Hardware Interfacing – Lab Procedure](#)?
2. When a positive voltage is applied, does the propeller accelerate the air downwards or upwards?
3. In step 7 of the [Reading the Tachometer](#) section of the [Hardware Interfacing – Lab Procedure](#), briefly explain your procedure to determine the relationship and give a formula that would give the approximate speed for a given voltage. Over what range of voltages does this formula apply?