Using the ADXL 335 Accelerometer

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- The ADXL335 Accelerometer can measure acceleration in three directions and produces analog voltage outputs on the pins Zout, Yout and Xout corresponding to each axis. An image of the ADXL335 can be seen in Figure 1. The positive direction for each axis is shown. Note that the positive direction for the Z axis is pointing up.
- This accelerometer can measure static accelerations from gravity and dynamic accelerations from movement.
- To use the ADXL335, connect +5 V DC from your breadboard to the pin labeled Vin, and connect your breadboard ground to the pin labeled GND. You can then measure the voltage on any of the three output pins with your multimeter or data acquisition system (DAQ). As always, connect both the signal (red) and ground (black) to the multimeter or DAQ when taking measurements.

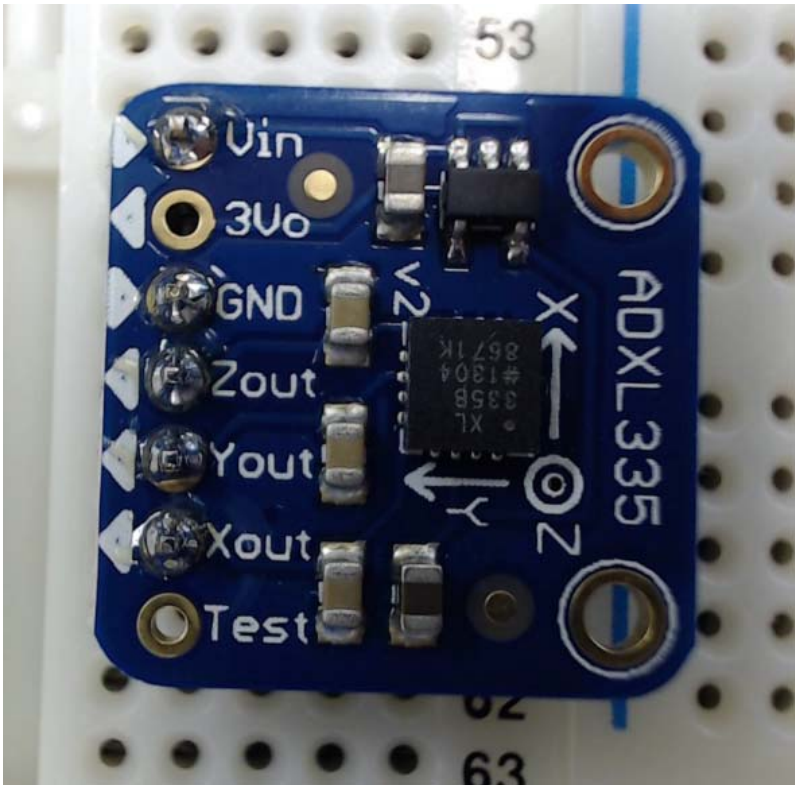

Figure 1: ADXL335 accelerometer.