

# Servo Specifications

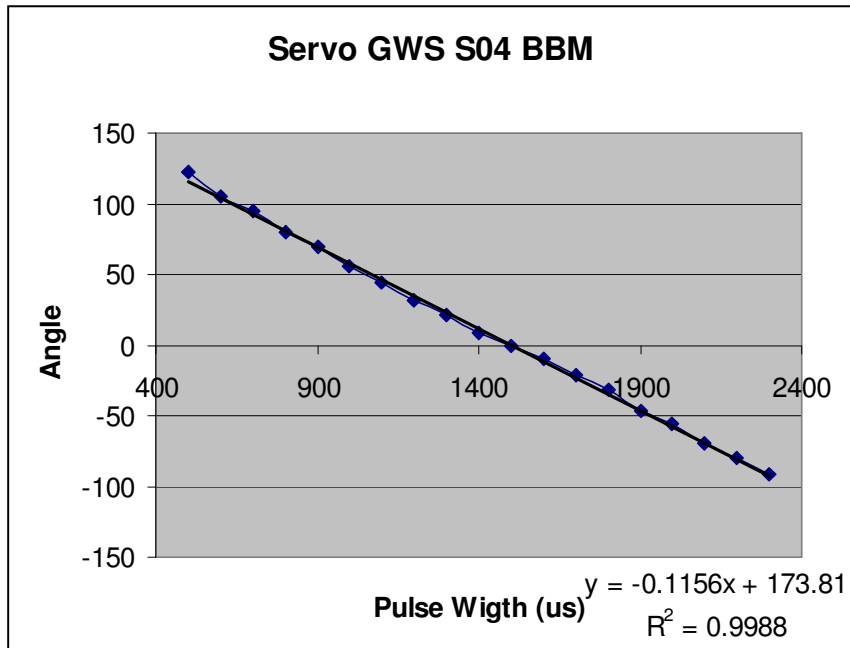


Figure 1

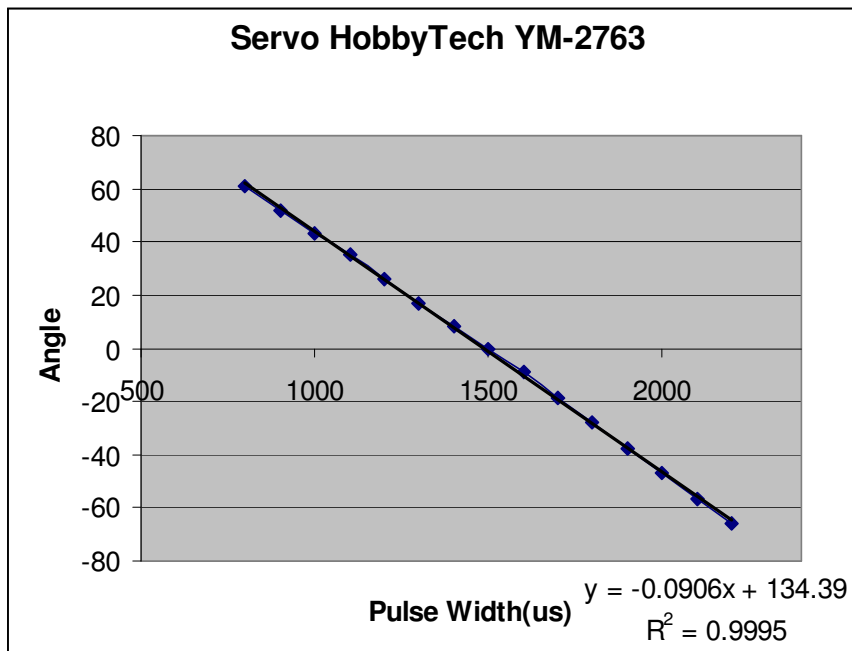


Figure 2

Figures 1 and 2 plot the supplied pulse width in micro seconds against achieved angle of servo. The valid range of output from the QWERK servo outputs is 1000us to 2000us, with 1500us being the central point. These standard pulse widths produce an angle of movement of 45 to 50 degrees in both directions for the HobbyTech and GWS servos.

It is possible with custom circuitry or reprogramming the FPGA to extend the range of the output pulse

The GWS will accept pulse widths between 500us and 2300us to give range of +120 to -90 degrees.

The HobbyTech accept pulse widths between 800us and 2200us to give range of +65 to -65 degrees.