

LABORATORY 7

Please print this sheet prior to coming to laboratory. Complete the pre-laboratory tasks in your lab notebook. Complete the lab tasks in **both** your lab notebook and this submission sheet.

1 Pre-laboratory Verification

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3E .. 46

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3E .. 48

2 Laboratory Verification

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3E .. 50

3 Deliverables

1. Attach **servo.vhd** VHDL code.
2. Attach oscilloscope captures of the PWM signal in 0° and 180° positions, printed on a single page.
3. Copy the results table below (you may omit **0** values):

Position	SW9..0	Timing (calculated)	Timing (experimental)
0°	00 0000 0000	0.75 ms / 20 ms	
45°			
90°			
135°			
180°	00 1011 0100	2.5 ms / 20 ms	