EE-792

(1) $\ddot{y} - 3\ddot{y} - 6\dot{y} - 9y = 2\ddot{u} - \dot{u} + 5u$ Find the state and output equations of the given model by using Jordan form.

HW#3

- (2) $\ddot{y} 3\ddot{y} 6\dot{y} 9y = 2\ddot{u} \dot{u} + 5u$ Find the state and output equations of the given model by using observable canonical form
- (3) $\ddot{y} + 5\dot{y} 2y = \dot{u} + 2u$ Find the state and output equations of the given model by using observable canonical form
- (4) $\ddot{y} 3\ddot{y} + 4y = \dot{u} u$ Find the state and output equations of the given model by using Jordan form