

EECE 360 Homework - Block Diagrams

- 1) For the system in E2.9:
 - Compute the transfer function for both outputs, F_f and F_r .
 - Write the transfer function of the SIMO system in matrix form.
- 2) For the system in E2.12:
 - Compute the transfer function for both inputs, T_d and R .
 - Write the transfer function of the MISO system in matrix form.
- 3) For the system in E2.13:
 - Compute the transfer function for both inputs R_1 and R_2 , and both outputs, Y_1 and Y_2 .
 - Write the transfer function of the MIMO system in matrix form.
- 4) For the system in P2.2:
 - Compute the transfer function for both outputs, y_1 and y_2 .
 - Write the transfer function of the SIMO system in matrix form.
- 5) For the system in P2.3:
 - Compute the transfer function for both outputs, v_1 and v_2 .
 - Write the transfer function of the SIMO system in matrix form.
- 6) Compute the 2x2 Transfer Function for the following MIMO system.

