Mechanical Translation Example 1
MECE 3304 System Dynamics
Chapter 3 Lecture Problems: Synthesize the bond graph for the following problems.

Mechanical Translation Example 2
MECE 3304 System Dynamics
Chapter 3 Lecture Problems: Synthesize the bond graph for the following problems.

Mechanical Rotation Example 1
Mechanical Rotation Example 2
MECE 3304 System Dynamics
Chapter 3 Lecture Problems: Synthesize the bond graph for the following problems.

Electrical Circuits Example 1

![Bond Graph Diagram]
Electrical Circuits Example 2
Electrical Circuits Example 3
Hydraulic Circuit Example 1
Hydraulic Circuit Example 2
Mixed System Example
Challenge Problem
Chapter 3 Lecture Problems: Synthesize the bond graph and derive the differential equations for the following problems.

Mass-Spring-Damper Example
Mechanical Rotation
Example
Electric Circuit Example
Hydraulic Circuit Example
Mixed System Example
Chapter 3 Lecture Problems: Synthesize the bond graph and derive the differential equations for the following problems.

Algebraic Loops
Review Problem 1
Review Problem 2
Review Problem 3

Chapter 3 Lecture Problems: Synthesize the bond graph and derive the differential equations for the following problems.
MECE 3304 System Dynamics
Chapter 3 Lecture Problems: Synthesize the bond graph and derive the differential equations for the following problems.

Review Problem 4
MECE 3304 System Dynamics
Chapter 3 Lecture Problems: Synthesize the bond graph and derive the differential equations for the following problems.

Challenge Problem