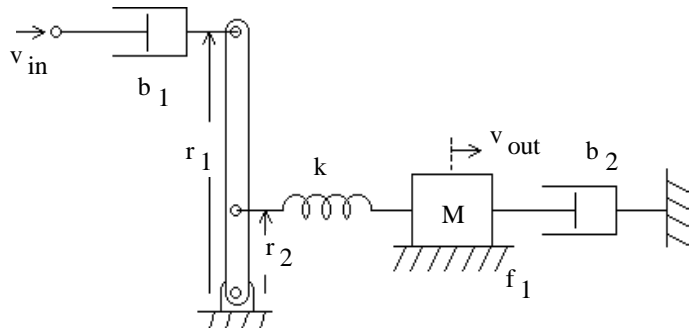


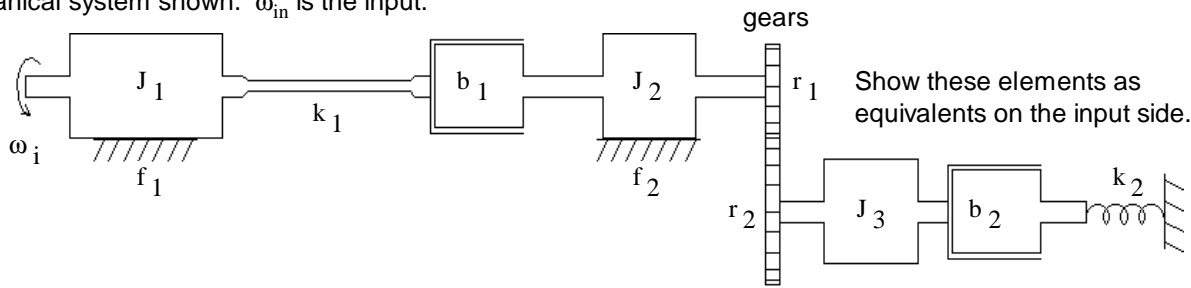
Electrical Analogies of Rotational & Fluid Mechanical Systems

Use the current-force analogy discussed in class for the following problems.

1. Find the equivalent electric circuit for the mechanical system shown. v_{in} is the input.

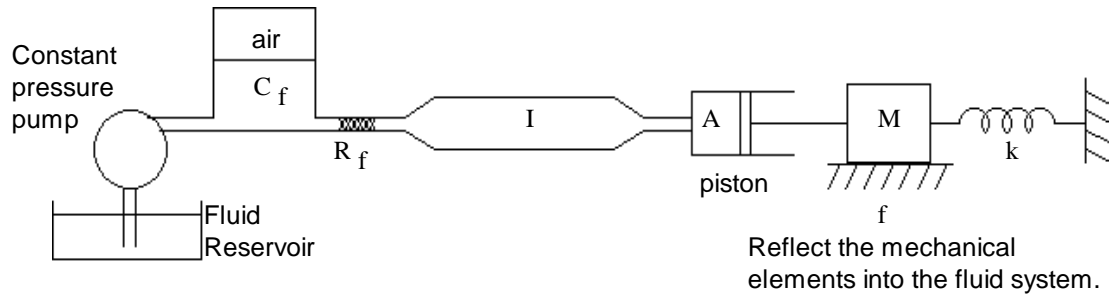


2. Find the equivalent electric circuit for the mechanical system shown. ω_{in} is the input.



Show these elements as equivalents on the input side.

3. Find the equivalent electric circuit for the fluid system shown.



Answers

