$$F\lambda = Fa - Fx - Fa$$
  
 $(m\ddot{x}) = Fe - (Kx) - (b\dot{x})$   
 $m\ddot{x} = Fe - Kx - b\dot{x}$   
 $m\ddot{x} + b\dot{x} + Kx = Fe$ 

$$m s^{2}x(s) + b s x(s) + Kx = Fe(s)$$
  
  $x(s) (m s^{2} + b s + K) = Fe(s)$ 

$$\frac{X(S)}{Fe(S)} = \frac{J}{mS^2 + bS + K}$$