**Dynamics of Hopping Robot**

**Flight Phase:**

**Stance Phase:**

Kinetic Energy

Potential Energy

Dissipation Function

Lagrange Function:

LaGrange Equation:

**Dynamics of Hopping Robot(backup)**

**Flight Phase:**

**Stance Phase:**

Kinetic Energy

Potential Energy

Dissipation Function

Lagrange Function:

LaGrange Equation: