



1. Entry

x_t Rocket Pose
State = [\dot{x}_t] = [Rocket Velocity]
 x_{target} Target Pose



$$g = 1.63 \text{ } m/s^2$$

2. Flip and Attitude Capture

Yaw
Pitch

Action = $[\varphi] = [\begin{matrix} u \\ \phi \end{matrix}] = [\begin{matrix} \text{Intensity} \\ \text{Pitch} \\ \text{Yaw} \end{matrix}]$

3. Terminal Landing Burn

Ideal Landing Location