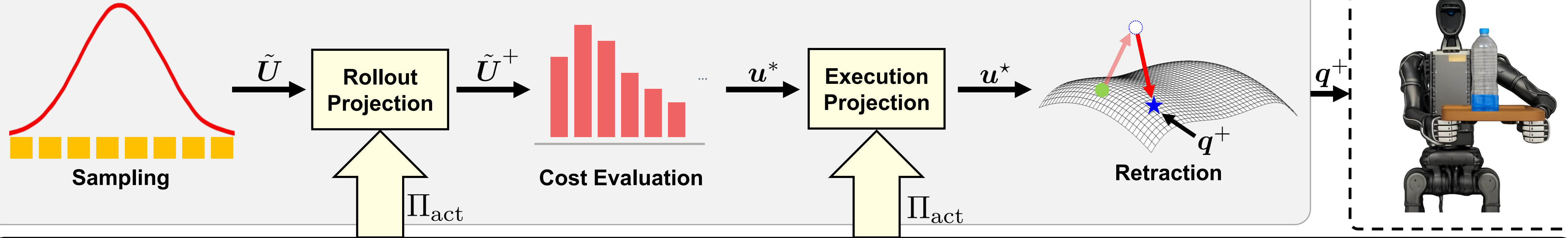
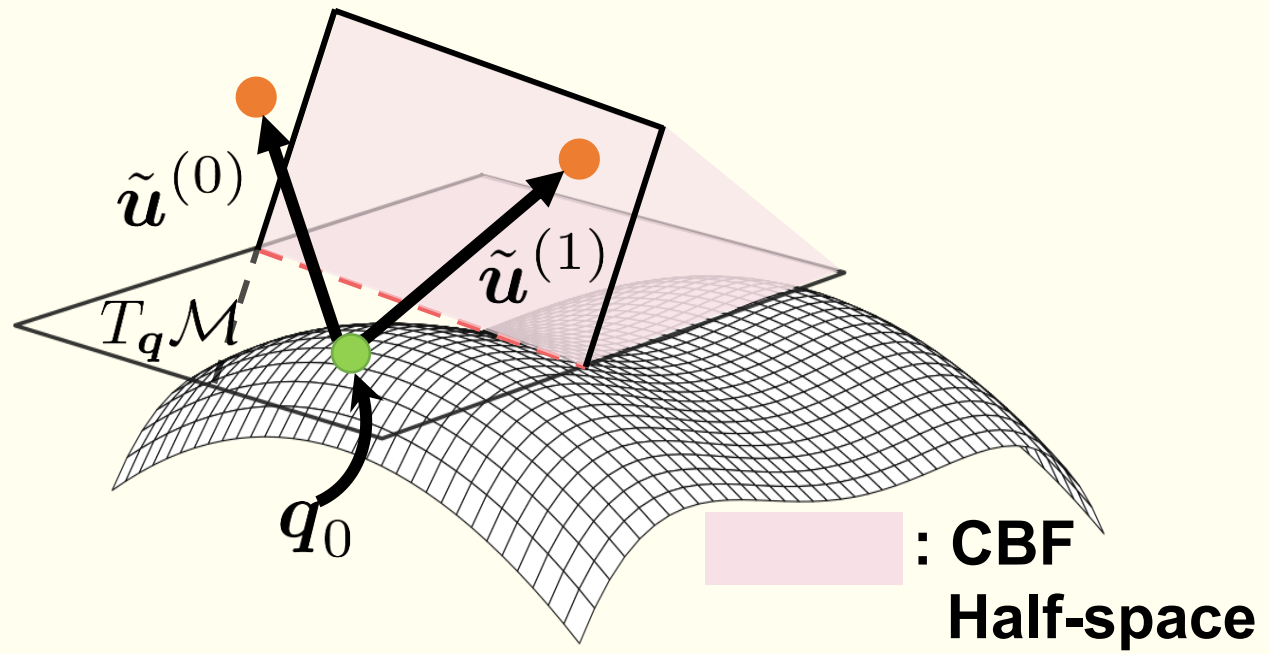
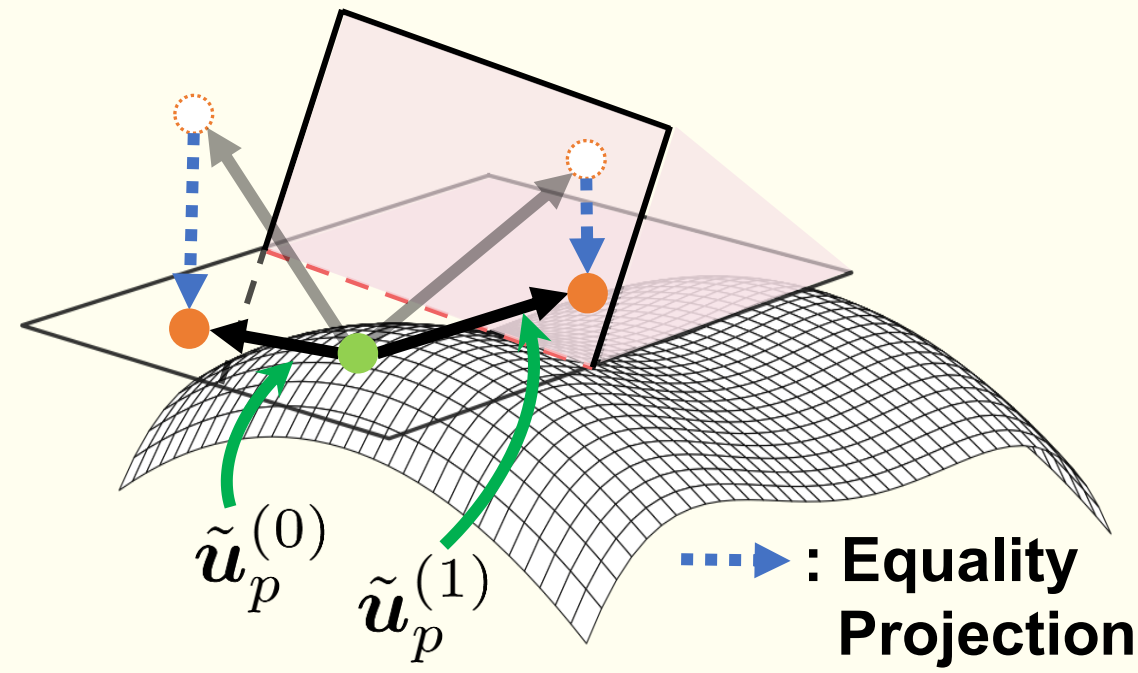


$q, \dot{q}$ **PR-MPPI Controller****1) Compute Tangent and Half-space****2) Equality Projection****3) Inequality Correction**