Manipulator poses and joint trajectory
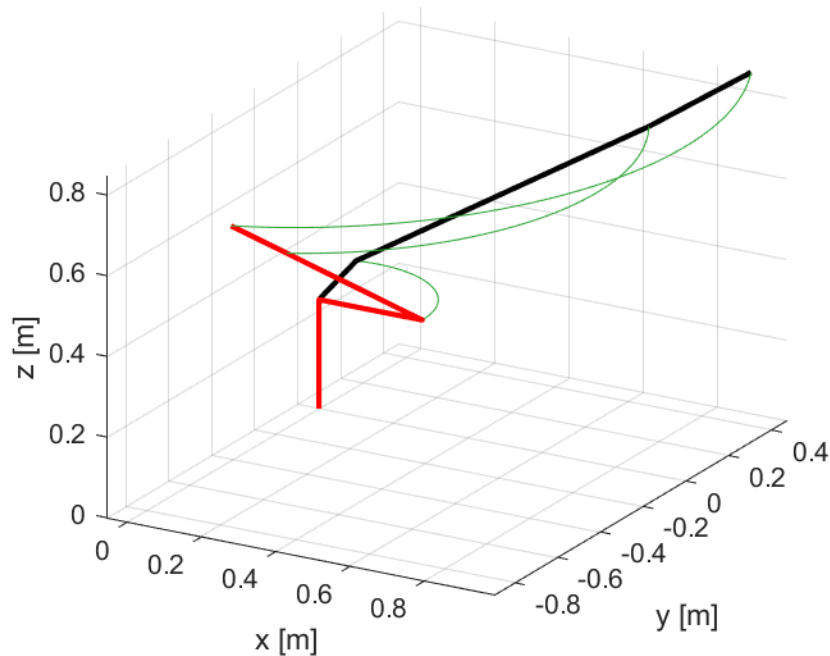
| —— P3 pose | —— P1 pose | —— joint trajectory |