Sol. numérica (x(t),y(t)) de $\dot{X(t)} = A_2(t)X(t) + B_2u(t)$, para $t \in (0, 10)$, $u = U2\ lqr$

- $(x(t), y(t)); u = u2lqr; X_0 = (0, 0, 0, 10)$
- $(x(t), y(t)); u = u2lqr; X_0 = (0, 1, 0, 1)$
- $(x(t), y(t)); u = u2lqr; X_0 = (0, 10, 0, -5)$