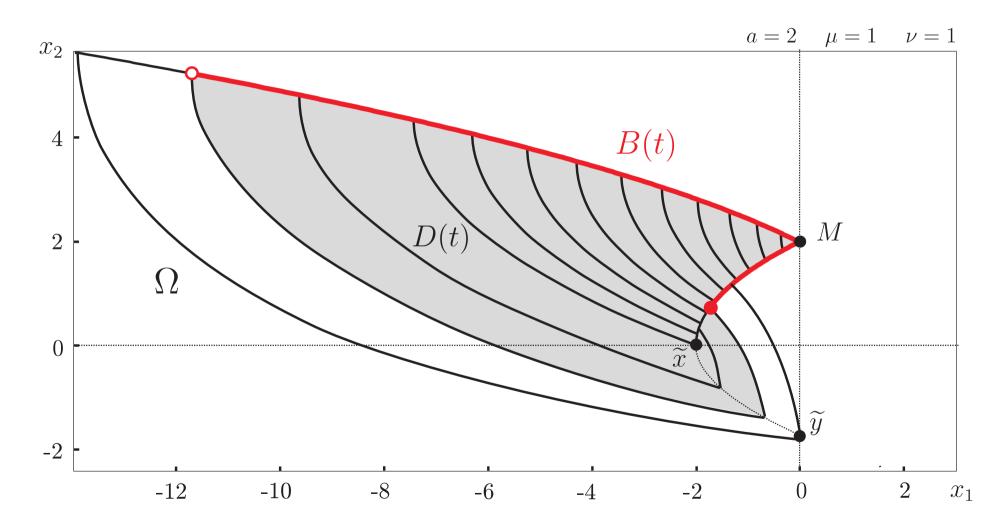# Explanation of the theorem by the example

$$\dot{x}_1 = x_2 - v, \quad \dot{x}_2 = u, \quad |u| \le \mu, \quad 0 \le v \le \nu, \quad M = \{(0, a)^T\}, \quad a > \nu$$