MODEL EXAMPLE OF J.SHINAR AS GENERALIZED TEST EXAMPLE

$$\ddot{x} = F, \qquad\qquad x, y \in R^2, \quad \alpha > 0$$

$$\dot{F} = -\alpha(F - u), \qquad u \in P \subset R^2,$$

$$\ddot{y} = v \qquad\qquad v \in Q \subset R^2$$

Payoff

$$\varphi(x(T), y(T)) = \left| x(T) - y(T) \right|.$$

Notation as a generalized test example:

$$\dddot{x} + \alpha\, \ddot{x} = \alpha\, u,$$

$$\ddot{y} = v$$