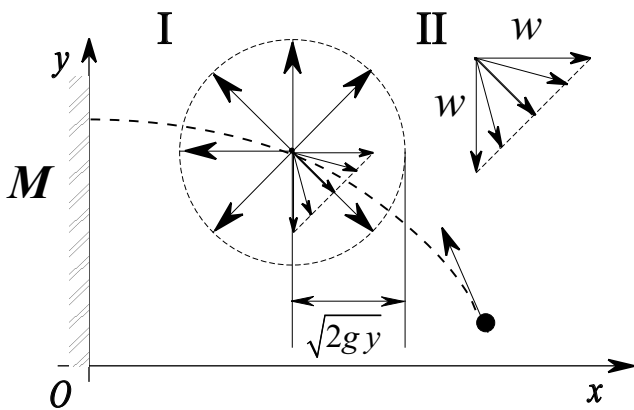


Isaacs' game statement of the problem

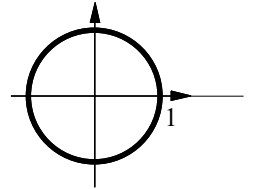


$$\dot{x} = \sqrt{2gy}u_1 + v_1$$

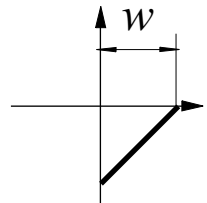
$$\dot{y} = \sqrt{2gy}u_2 + v_2$$

Admissible controls :

$$u = (u_1, u_2) \in P =$$



$$v = (v_1, v_2) \in Q =$$



Game space:

$$N = \{(x, y) \in \mathbb{R}^2 : x \geq 0, y \geq 0\}$$

$$\text{I : } t_f \rightarrow \min$$

$$\text{II : } t_f \rightarrow \max$$

