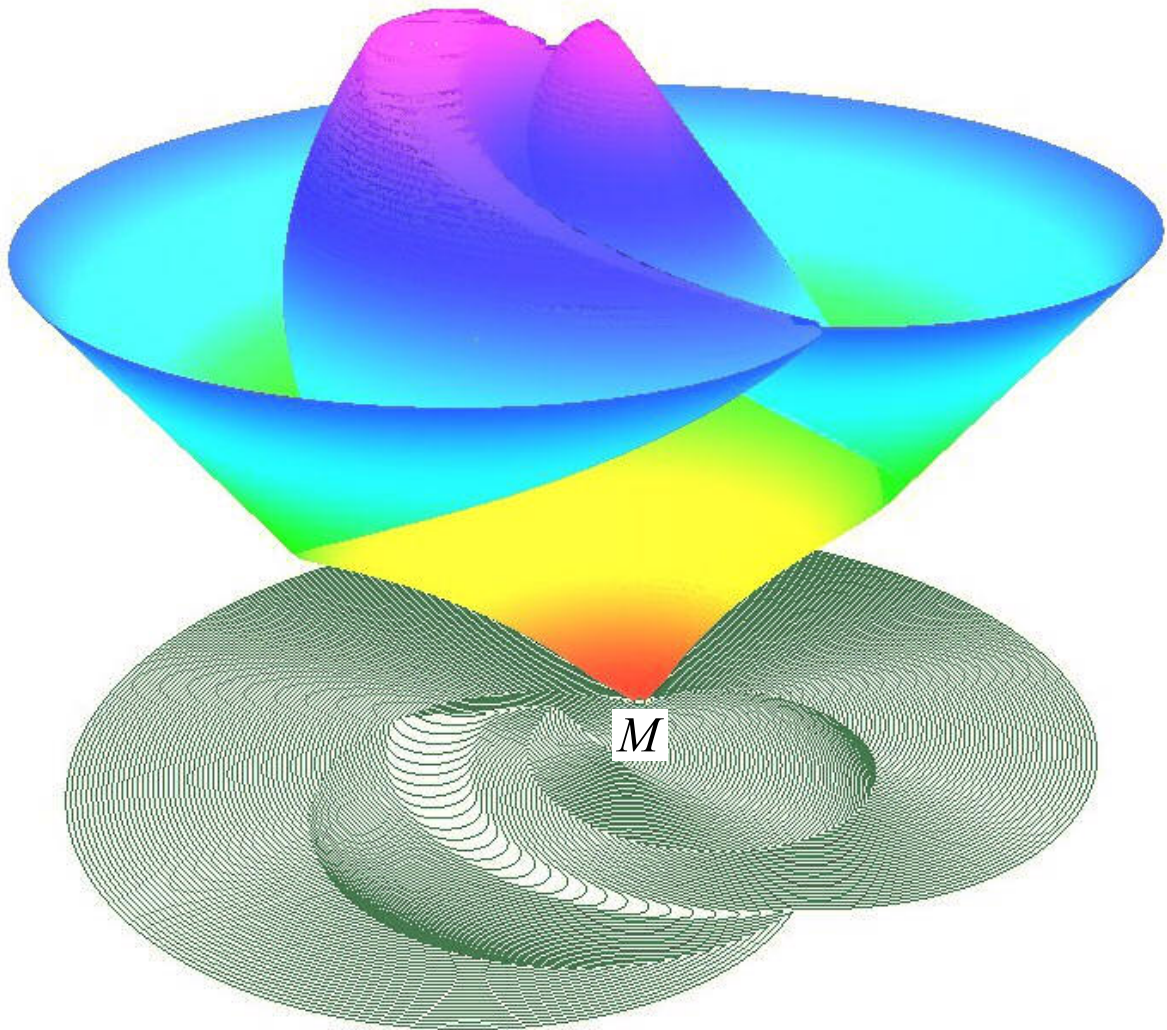


# “HOMICIDAL CHAUFFEUR” GAME. VALUE FUNCTION

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$$\begin{aligned}\dot{x}_1 &= -\frac{w^{(1)}}{R} x_2 u + v_1 \\ \dot{x}_2 &= \frac{w^{(1)}}{R} x_1 u + v_2 - w^{(1)}\end{aligned}$$

$$|u| \leq 1, \quad \|v\| \leq 0.6$$

$$w^{(1)} = 2, \quad R = 0.2,$$

Payoff is the time of approach of  $M$

IMM