



















SISTEMA DE INFERÊNCIA FUZZY

Dois antecedentes: $\mu_{B^*}(\theta) = (\mu_{A_1}(x') \wedge \mu_{A_2}(\phi')) \wedge \mu_B(\theta)$

Para cada uma das regras ativadas, tem-se: (cf. figuras a seguir)

$$\mu_{NM^*}(\theta) = (\mu_{LC}(x^*) \wedge \mu_{VE}(\phi^*)) \wedge \mu_{NM}(\theta) = (0, 4 \wedge 0, 7) \wedge \mu_{NM}(\theta) = 0, 4 \wedge \mu_{NM}(\theta)$$

$$\mu_{NM^*}(\theta) = (\mu_{LC}(x^*) \wedge \mu_{LV}(\phi^*)) \wedge \mu_{NM}(\theta) = (0, 4 \wedge 0, 2) \wedge \mu_{NM}(\theta) = 0, 2 \wedge \mu_{NM}(\theta)$$

$$\mu_{ZE^*}(\theta) = (\mu_{CE}(x^*) \land \mu_{VE}(\phi^*)) \land \mu_{ZE}(\theta) = (0.6 \land 0.7) \land \mu_{ZE}(\theta) = 0.6 \land \mu_{ZE}(\theta)$$

$$\mu_{NS^*}(\theta) = (\mu_{CE}(x') \land \mu_{LV}(\phi')) \land \mu_{NS}(\theta) = (0.6 \land 0.2) \land \mu_{NS}(\theta) = 0.2 \land \mu_{NS}(\theta)$$

SISTEMA DE INFERÊNCIA FUZZY $\mu_{zE^*}(\theta) = (\mu_{CE}(x') \land \mu_{VE}(\phi')) \land \mu_{ZE}(\theta) = (0.6 \land 0.7) \land \mu_{ZE}(\theta) = 0.6 \land \mu_{ZE}(\theta)$ LE LC CE RC RI PM PM PB PS PB NM NS PS PM PB NM NM ZE PM PM NM NS PS PM NB NM NS NB NB NB NM NM NS















