ELE075-Sistemas Nebulosos-2018/2

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Vista de Exercicios

Da) yā=1- MA => Mā=1-(1-MA)=1-1+MA: Nā=MA

b) max (ya, min (ya, ya) = Na já ogue min (ya, ya) = NA

c) $\min(\mu_A, 1-\mu_A) = \mu_0 = 0$ $\mu_A: X \to \{0; 1\}$ St $\mu_A = 0 \to \min(0, 1-0) = 0$ St $\mu_A = 1 \to \min(1, 1-1) = 0$

d) $1 - \max(\mu_A, \mu_B) = \min(1 - \mu_A, 1 - \mu_B)$ $\mu_A, \mu_B : x \to \{0; 1\}$ $\{\mu_A = 1 \to \max(1, \mu_B) = 1 + \min(0, 1 - \mu_B) = 0\}$ $\{\mu_A = 0 \to \max(0, \mu_B) = \mu_B + \min(1, 1 - \mu_B) = 1 - \mu_B\}$ $\{\mu_A = 0 \to \max(0, \mu_B) = \mu_B + \min(1, 1 - \mu_B) = 1 - \mu_B\}$

(a) A = (A) = A

A lista Continua no revisa ->

b) AU(ANB) = (AUA) N(AUB) = AN(AUB) = A

c) ANA = AUA = X = 0

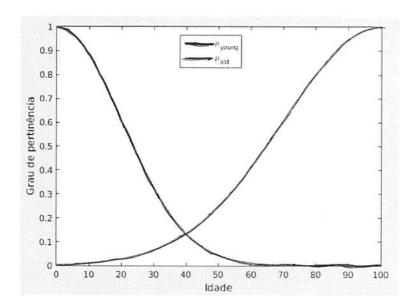
d) Se $\overline{AVB} = \overline{ANB}$ into \overline{a} : $\overline{D}(AUB) \cup (\overline{ANB}) = X$ $\overline{D}(AUB) \cap (\overline{ANB}) = X$ $\overline{D}(AVB) \cup (\overline{ANB}) = (AVBUA) \cap (AUBUB)$ $= (XUB) \cap (XUA) = X \cap X = X$ $\overline{D}(AVB) \cap (\overline{ANB}) = (\overline{ANB} \cap A) \cup (\overline{ANB} \cap B)$ $= (\overline{D} \cap \overline{D}) \cup (\overline{D} \cap A) = X$

(3) m1: $N(0) = \frac{1-0}{1-50} = \frac{1}{1} = 1$ ($N(1) = \frac{1-1}{1-5} = \frac{0}{1-5} = 0$ $M2: \alpha = 0, b = 0.5, 6 = -1$ $N(\alpha) = N(0) = 1 > N(b) = \frac{1-0.5}{1+0.5} = \frac{0.5}{1.5} = \frac{1}{3}$ M(1) = 0.5, 5 = -1 N(1) = 0.5, 5 = -1N(1) = 0.5, 5

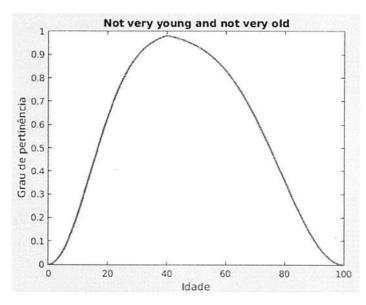
(y) 51:5(0,0)=0+0-0.0=0 5(0,a)=0+a-0.a=a 52:a=0,b=0,8,c=0,2,d=1 $5(0,0,0)=0+0,8-0.0,8=0,8 \le 5(0,2,1)=0,2+1-0,2.1=1$ 53:a=0,2,b=0,8 5(0,2,0,8)=0,2+0,8-0,2.0,8=0,84=5(0,8,0,2)=0,8+0,2+0,8.0,2 54:a=0,b=0,5,c=1,5(a,b)=0,5,5(b,c)=1 5(a,5(b,c))=0+1-0.1=1=5(5(a,b),c)=0,5+1=0,5.1=1Continua as lado

(L-a)(L-b)= L-b-a +ab

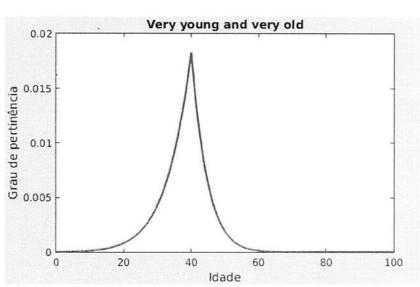




(9 a)







(D) Se x i Az então y i B2 Se x i Az então y i B2 Foto: MA(x) = 0/x2 + 1/x2 + 0/x3

MRZ (2014) = MAZ(2) N MBZ(4) MRZ (2014) = MAZ(2) N MBZ(4)

NRI (x,y)	SI	y2	MR2(2019)	91	42
χ_1	1,0	0,2	XL	0,6	0,2
×2	0,1	0,3	×2	0,6	0,2
23	0,2	0,3	23	10,3	0,2

B'= (A'ORI)U(A'ORZ) Vy(µa'(x) \ MRI(x,y)) = MBI'(y) Vy(µa'(x) \ MRZ(x,y)) = MBZ'(y)

MB2(y) = Vx(0, 0.1,0), Vx(0, 0.3, 0) = 0,1/y1+0,3/y2 MB2(y) = Vx(0, 0.6,0), Vx(0, 0.2,0) = 0,6/y1+0,2/y2

Mô(y) = Môs(y) V Môs(y) = (0,2/y,+0,3/y,2) V(0,6/y,+0,2/y,2)
Mô(y) = 0,6/y,+0,3/y,2



