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PSIAC

(Q100/Q10)



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$$MF_{(x_i)} = 1/(1 + \{(x_i - b_1 - d_1)\}^2) \quad \text{if } x_i < b_1 + d_1 \quad ()$$

$$MF_{Z(x)} = 1 \quad \text{if } (b_1 + d_1) \leq x_i \leq (b_2 - d_2) \quad ()$$

$$MF_{(x_i)} = 1/(1 + \{(x_i - b_2 - d_2)\}^2) \quad \text{if } x_i > (b_2 - d_2) \quad ()$$

d2 d1 b_2 b_1 x_i Mf

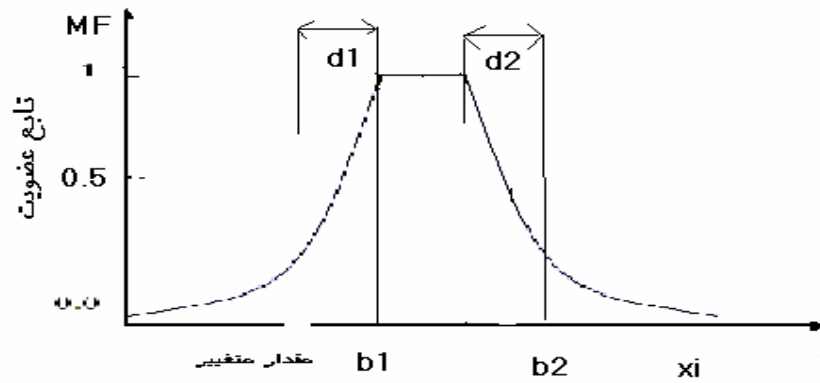
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¹ Zadeh 1965

² Burrough and et al 1989



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(RUSLE)

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1 See and Openshaw

2 Roger Martin et al

3 Tran et al



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() Q_{100}/Q_{10}

PSIAC

$d_2 \quad d_1 \quad b_2 \quad b_1$

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PSIAC

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(Q₁₀₀/Q₁₀)



F

R^2 %

$$Y = 0.383 X_1 + 0.405 X_2 + 0.662 X_3 \quad ()$$

$R^2 = 0.91$

$X_3 \quad X_2 \quad X_1$
Y PSIAC

$$Q_{100}/Q_{10} = 2.01 X_4 - 1.09 X_5 \quad ()$$

$X_5 \quad X_4 \quad R^2 = 0.98$

Q_{100}/Q_{10}

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(b1) (b2) PSIAC

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d2

(d1)

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(1992 Juang and et al)

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¹ Rate



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δ		$X_i < \delta$		
$X - \delta$		$(x_i - \delta) > x_i > \delta$		
X		$X > x_i > (x_i - \delta)$		
$X + \delta$		$(X + \delta) > x_i > X$		
		$x_i > X$		

Q_{100}/Q_{10}

PSIAC

PSIAC

PSIAC

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