

Dissimilarity between WAP and scan =  
path loss distance

$$p_i = p_0 10^{(RSS_0 - RSS_i)/(10n)}$$

Dissimilarity between WAPs =

$$p_{ij} = p_i + p_j$$

Maximum error in dissimilarity:

$$\mathbf{err}(p_{ij}) = 2 \cdot p_i$$