Distance prior probability

1.0

$\alpha_k + d\left(i, \partial R_k\right)\left(\dfrac{1.0 - \alpha_k}{\Delta_k}\right)$

α_k

$\alpha_k \exp\left(-\dfrac{d(i, \partial R_k)}{\sigma_k}\right)$

outside R_k

R_k

∂R_k

ρ_{R_k}

Distance of sites in the image relative to the features of region R_k