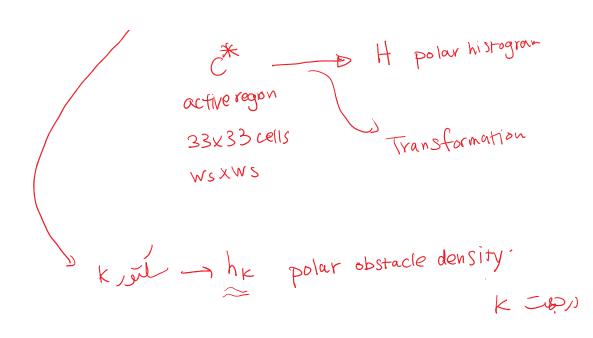
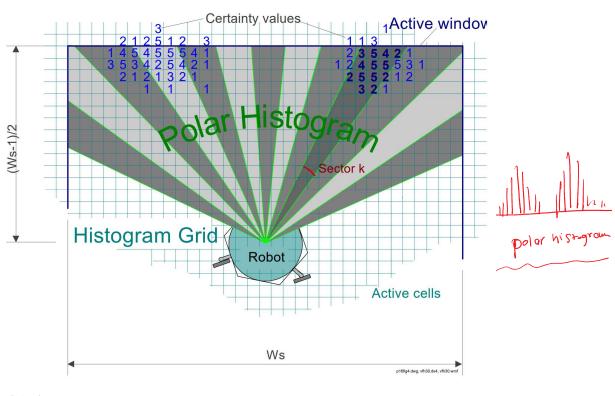


سَمِهِ : برکی درجهت ری ر low-pass filter تعیرات سِم از موار مار. اوان کردن حردر " Delay" VFF (VFH) Vector Field Histogram : VFF 0621 (VFF) Cartesian histogram grid : Us dow سطع (و): ((Logbu) one-dimension polar histogram Clash & Jet L M

DH polar histogram



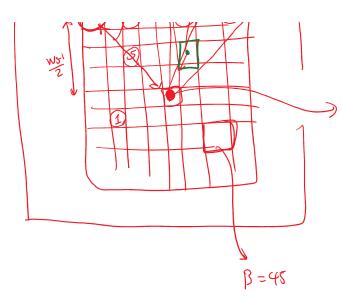


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C Amount Cti, j

ملے موج 6 زاویے + سرعت روبات۔ — ----

Obstaclevector



Obstacle vector

$$\frac{1}{2^{i}\beta_{ij}} = \tan \frac{3i-30}{2i-30}$$

$$C_{i,j}^{*} \text{ clc} \text{ slc} : \beta_{i,j}$$

$$C_{i,j}^{*} \text{ clc} \text{ slc} : \beta_{i,j}$$

$$\dot{z}_{i,j} = (\dot{c}_{i,j}^*)^2 (a - b d_{i,j})$$

رلیل توان کے ، موانع واقعی با ضریب در نظر نرصہ کورو جواندے های y sion انزین کاسورور،

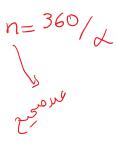
زرن متاب است یا واله - هر حل ب هات نزدیل متر ایک هزیب بالار

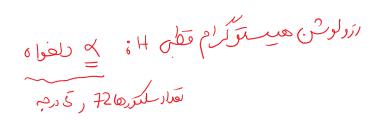
vep of ci, dolo: dij

$$a - b d_{max} = 0$$

انتقاب ۵ وط،

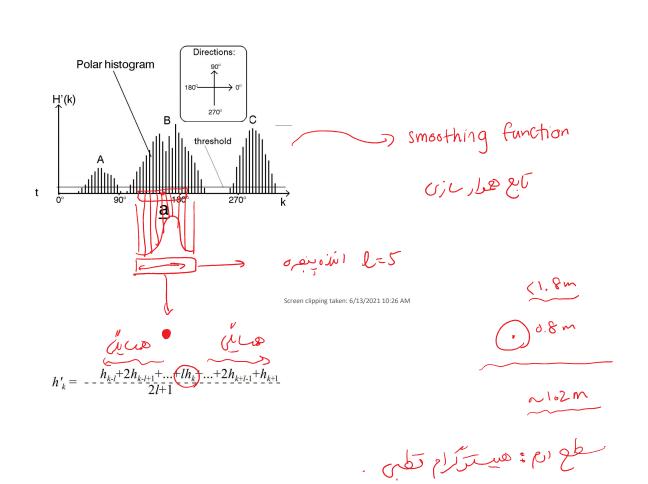
dmax =
$$\sqrt{2} (w_s - 1)/2 \times (w_s - 1)/2$$

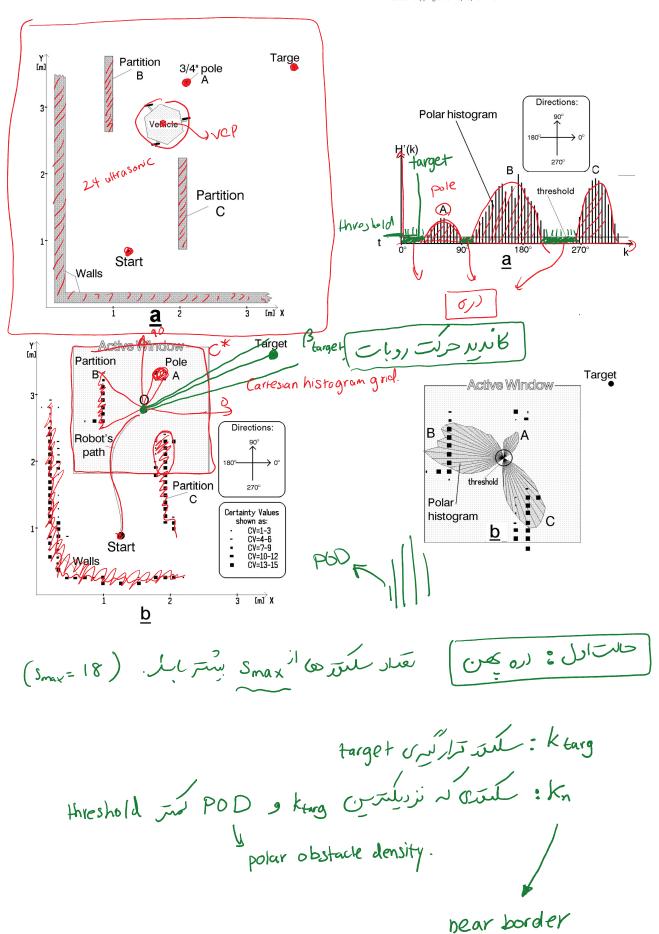




 $k \neq \{ p ((K+1) \neq k) \}$ $k = 0, 1, \cdots, n-1$

$$k = INT(\beta_{ij}/\lambda)$$
 $h_{k} = \sum_{i,j} m_{i,j} C_{i,j} \in k$

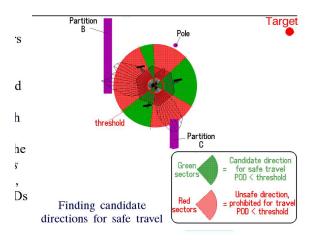




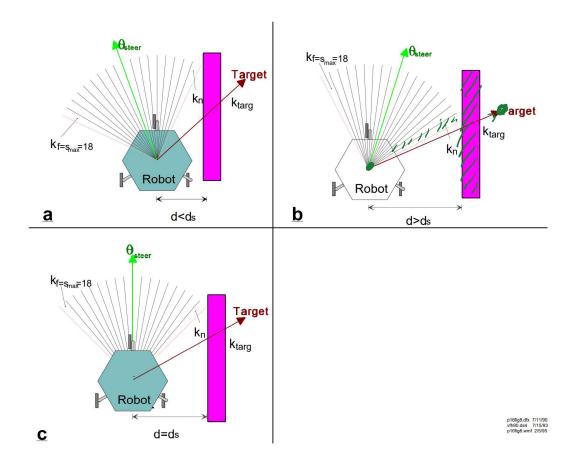
$$K_f = K_n + S_{max}$$
 3 K_f

for border

 $\theta = (k_n + k_f)/2$



wide



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