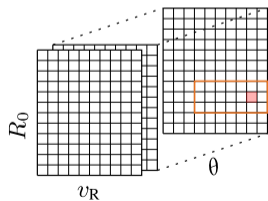
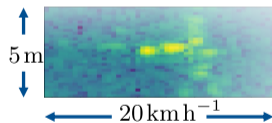


(I)



(II)



(III)

$$\begin{pmatrix} P_{\text{ped}} \\ P_{\text{cyc}} \\ P_{\text{car}} \\ P_{\text{noise}} \end{pmatrix} = \begin{pmatrix} 0.95 \\ 0.00 \\ 0.05 \\ 0.00 \end{pmatrix}$$

(IV)