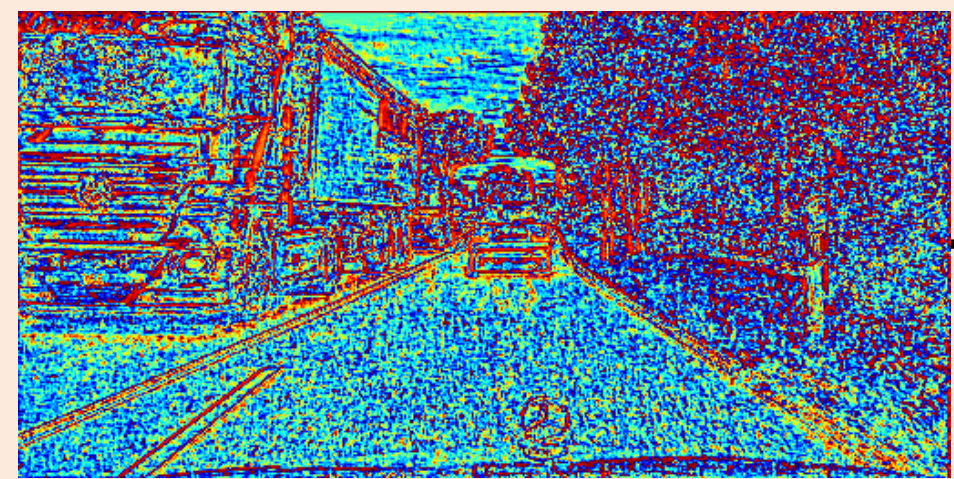
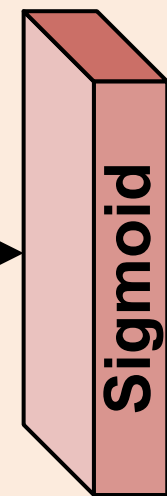


### Spatial-attention Guidance (SG)



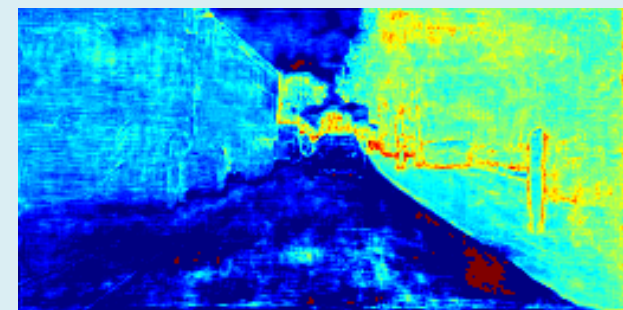
$X$

$(C, H/4, W/4)$



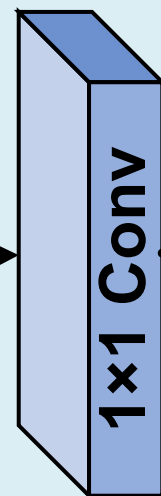
$F_{SG}(X)$

### Reverse-attention Guidance (RG)



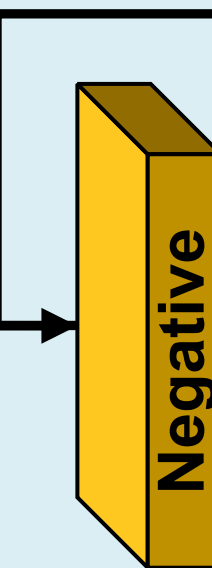
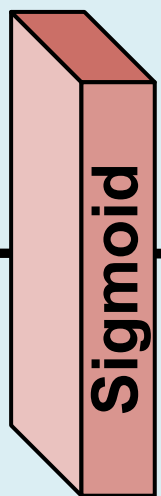
$Y$

$(C*2, H/8, W/8)$

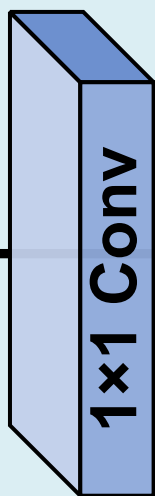


Bn PReLU

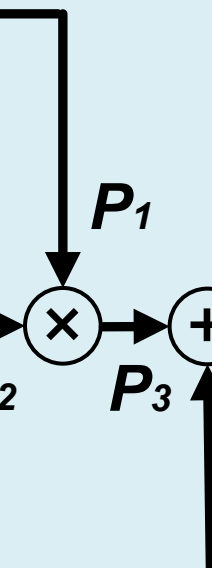
$Y_c$



$R_{neg}(Y_c)$



Bn PReLU



$P_1$

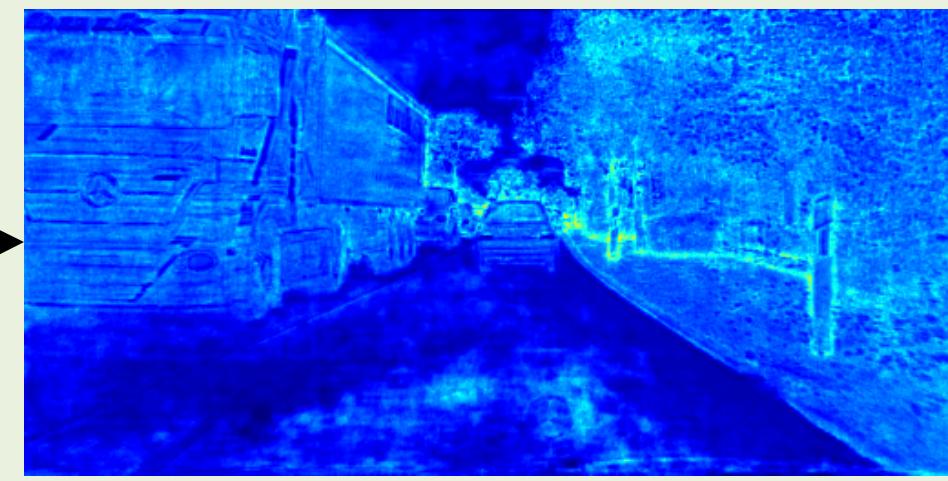
$P_2$

$P_3$



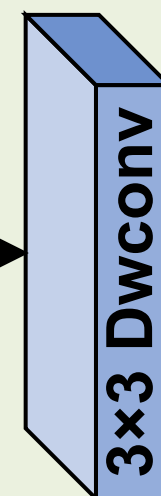
$2\times$

$F_{RG}(Y)$

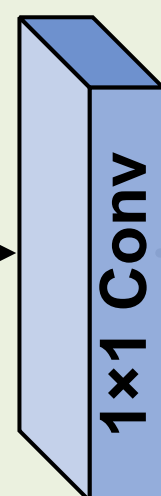


$F(X, Y)$

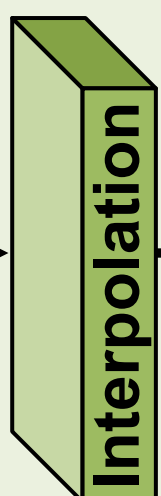
$(C, H/4, W/4)$



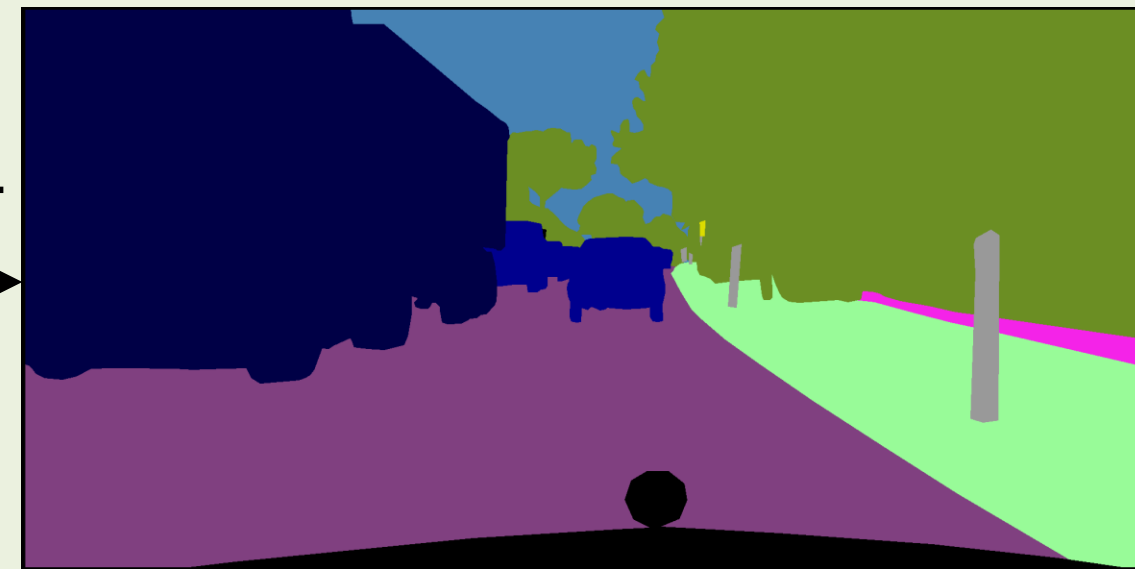
Bn PReLU



Bn PReLU



$4\times$



Prediction

$(n, H, W)$

### Dual-attention-guided Prediction (DP)