



Lehrstuhl für
Bildverarbeitung

RWTHAACHEN
UNIVERSITY

Sentence Processing and Content Analysis - Semantic Segmentation

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Losses

Method

2

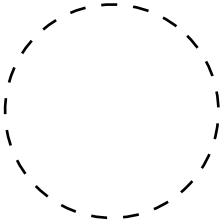
1

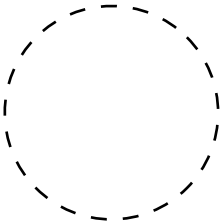
$$\boldsymbol{L} = \alpha \cdot \boldsymbol{L}_{var} + \beta \cdot \boldsymbol{L}_{dist} + \gamma \cdot \boldsymbol{L}_{reg}$$

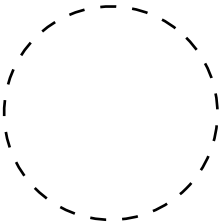


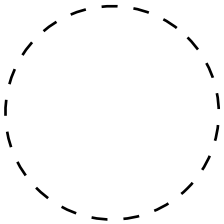


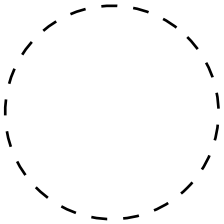


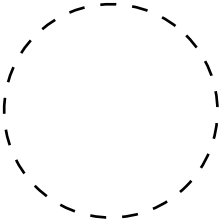


















































$$L_{var} = \frac{1}{C} \sum_{c=1}^C \frac{1}{N_c} \sum_{i=1}^{N_c} \left[\|\mu_c - x_i\| - \delta_v \right]_+^2$$

$$L_{dist} = \frac{1}{C(C-1)} \sum_{\substack{c_A=1 \\ c_A \neq c_B}}^C \sum_{c_B=1}^C \left[2\delta_d - \|\mu_{c_A} - \mu_{c_B}\| \right]_+^2$$

2

2



