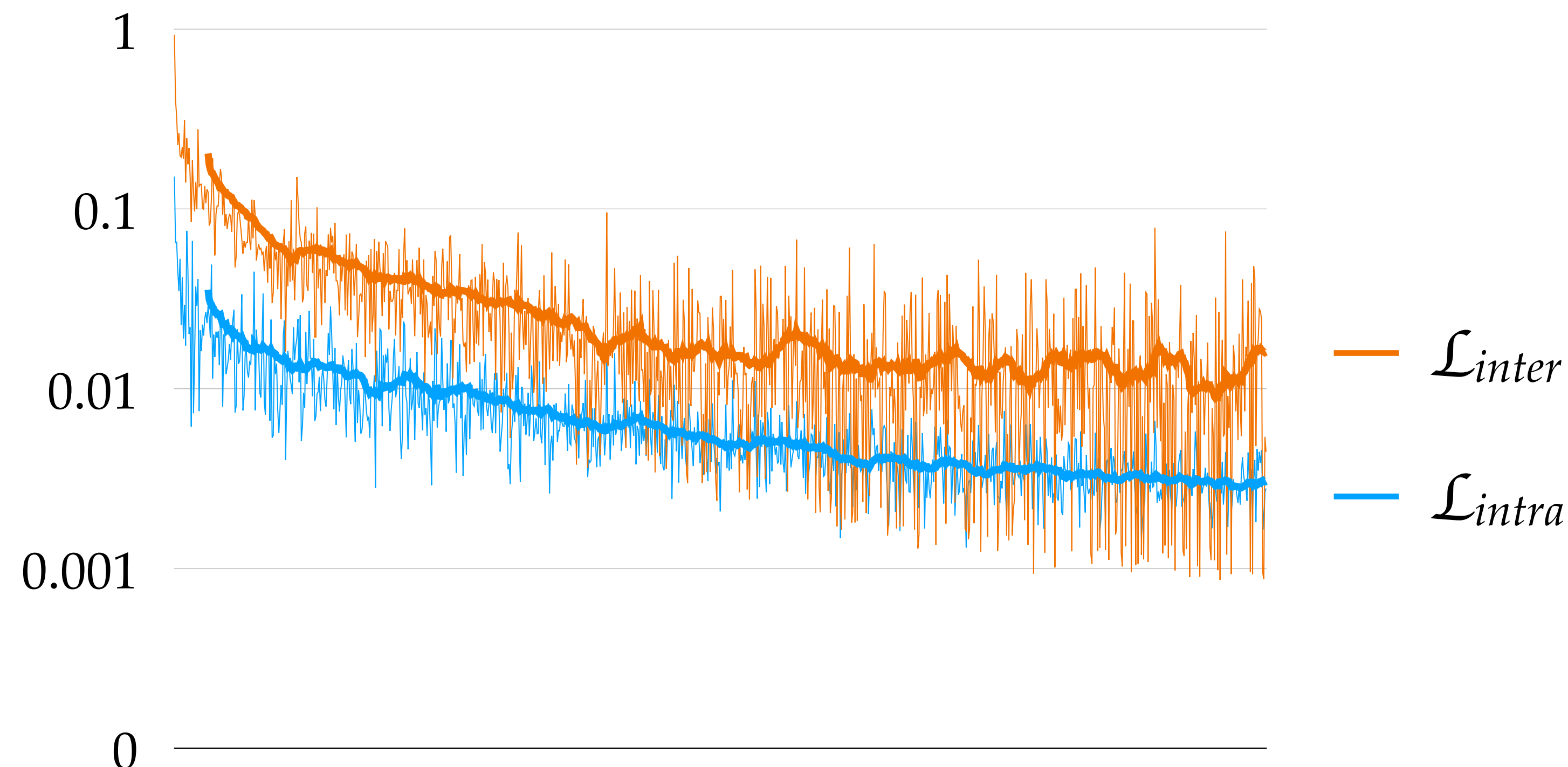Problem: Stuck at well-converged $\mathcal{L}_{intra}$

Proposal: $\mathcal{L}_{emb} = [\hat{\mathcal{L}}_{inter} + m] \cdot \mathcal{L}_{inter} + [\hat{\mathcal{L}}_{intra} + m] \cdot \mathcal{L}_{intra}$ $(m := 0.25)$

Inspired by:

Y. Sun et al. *Circle loss: A unified perspective of pair similarity optimization.* CVPR 2020.

Yuli Wu
Instance Segmentation of Dense Objects via Deep Pixel Embedding

Lehrstuhl für
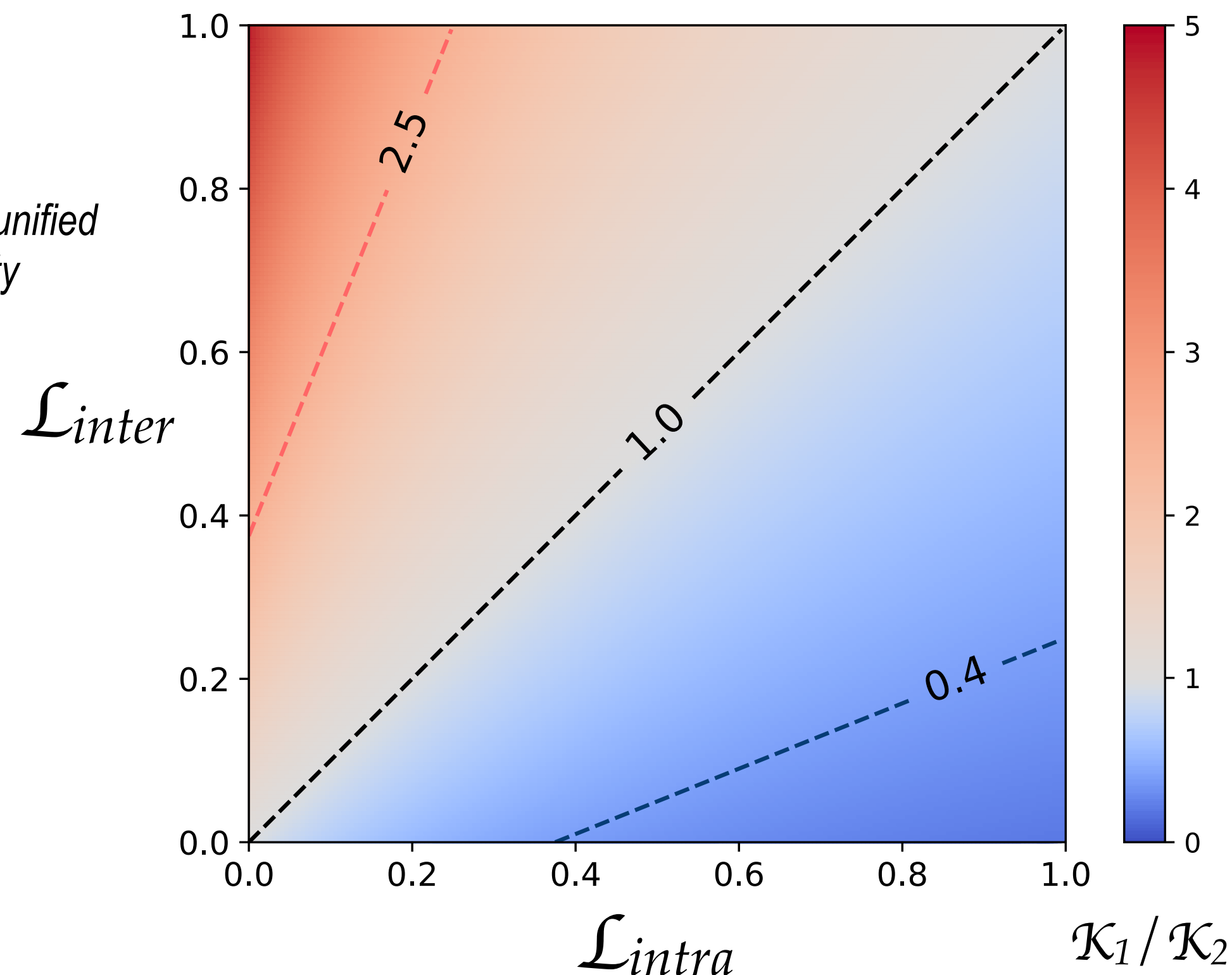Bildverarbeitung

RWTH AACHEN UNIVERSITY

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$\mathcal{K}_1 / \mathcal{K}_2 \ (ratio\ of\ weights)$

$= [\hat{\mathscr{L}}_{inter} + 0.25] / [\hat{\mathscr{L}}_{intra} + 0.25]$