

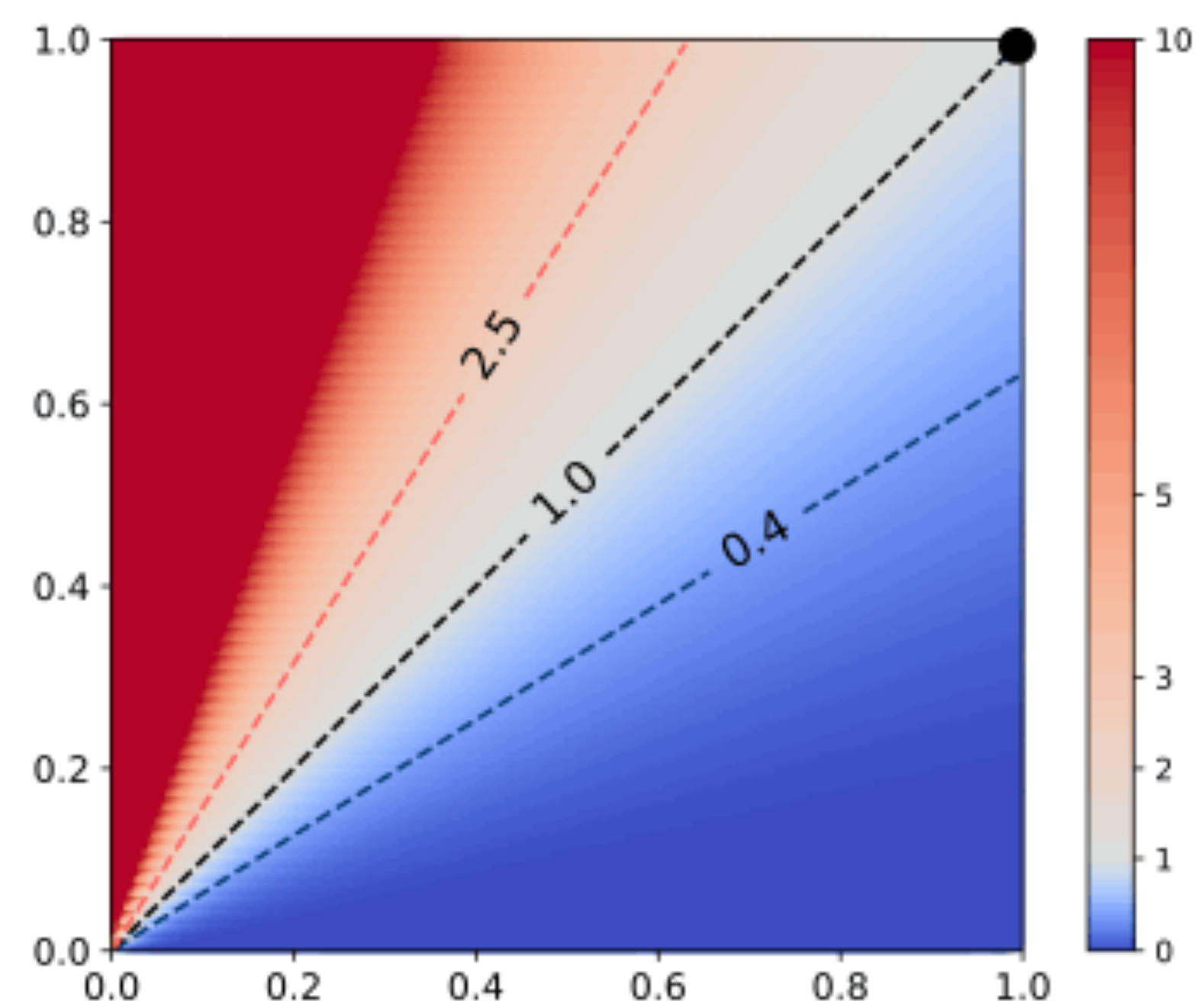
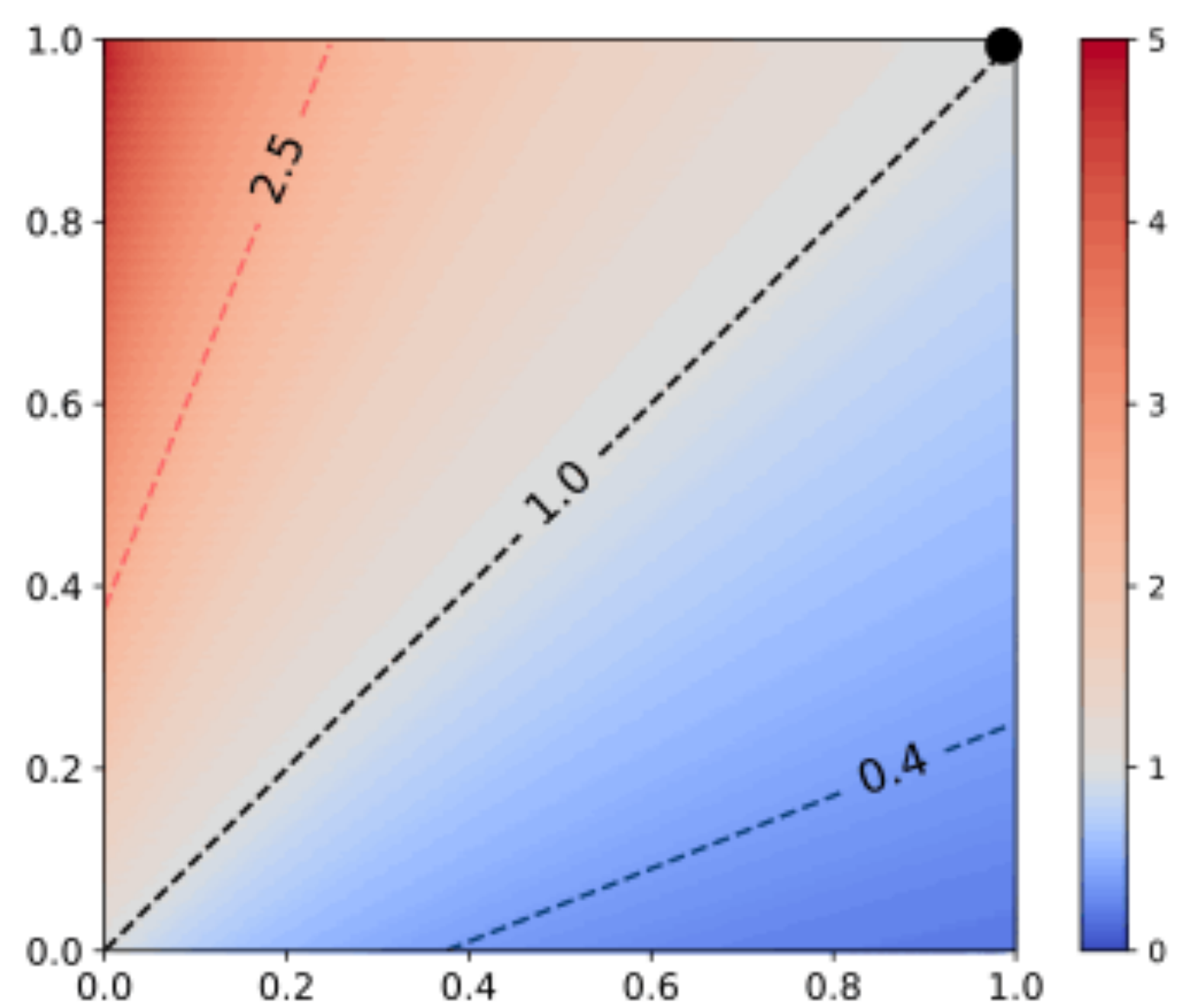
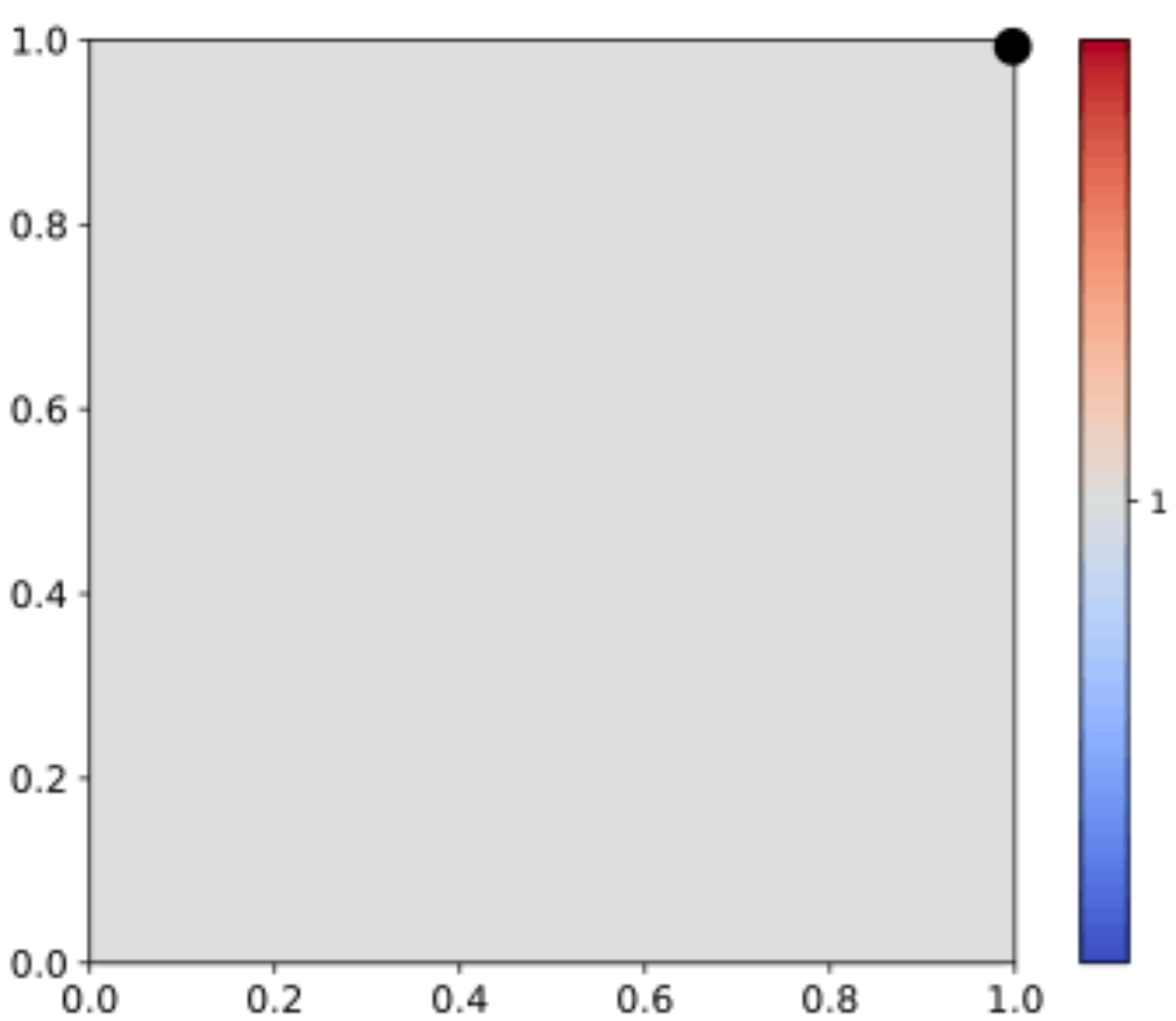
Yuli Wu

Instance Segmentation of Dense Objects via Deep Pixel Embedding



Lehrstuhl für
Bildverarbeitung

RWTHAACHEN
UNIVERSITY



Experiments

2

4

Winter

R_1 / R_2

Winter

Lintra

R_1 / R_2

Quintura

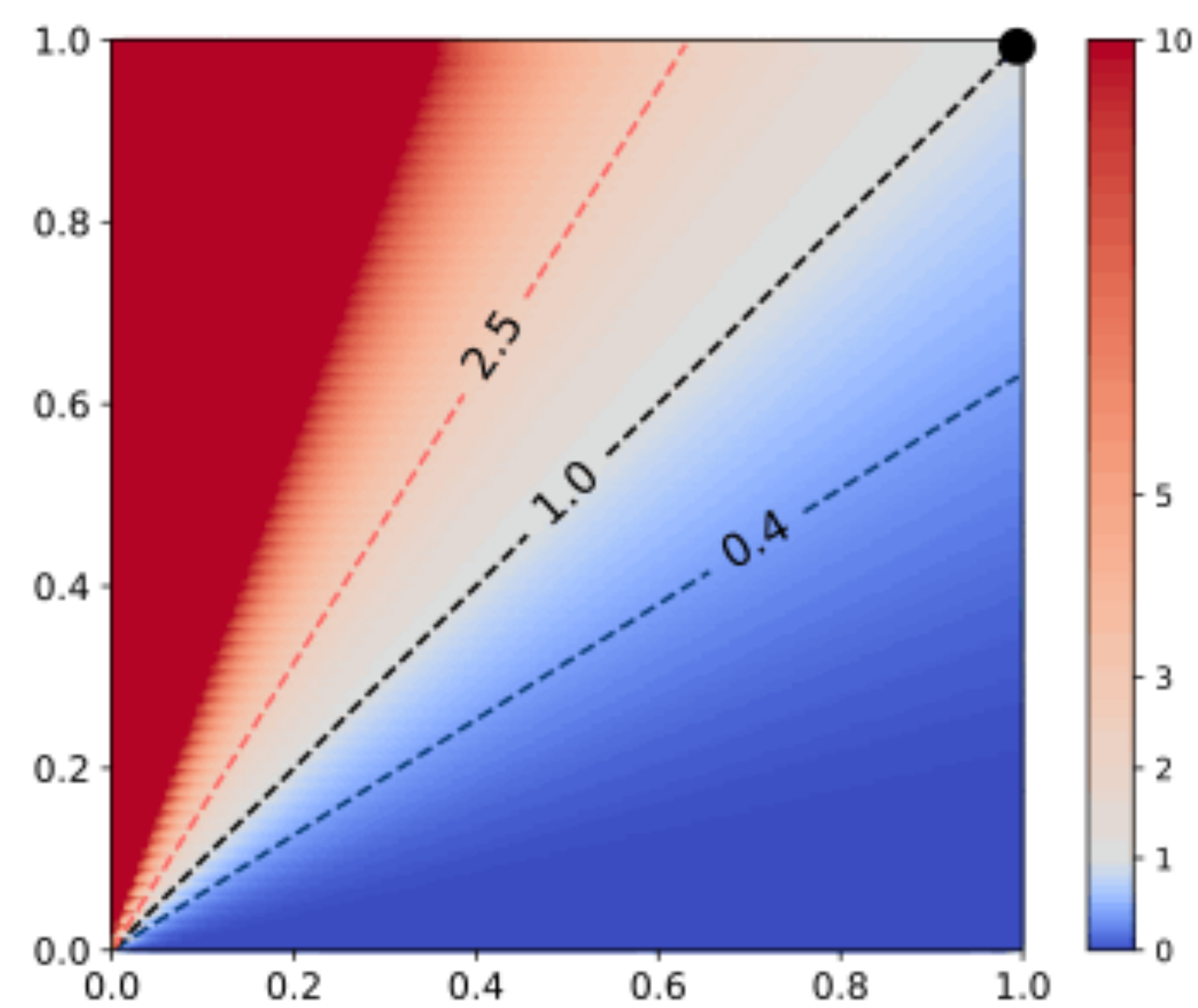
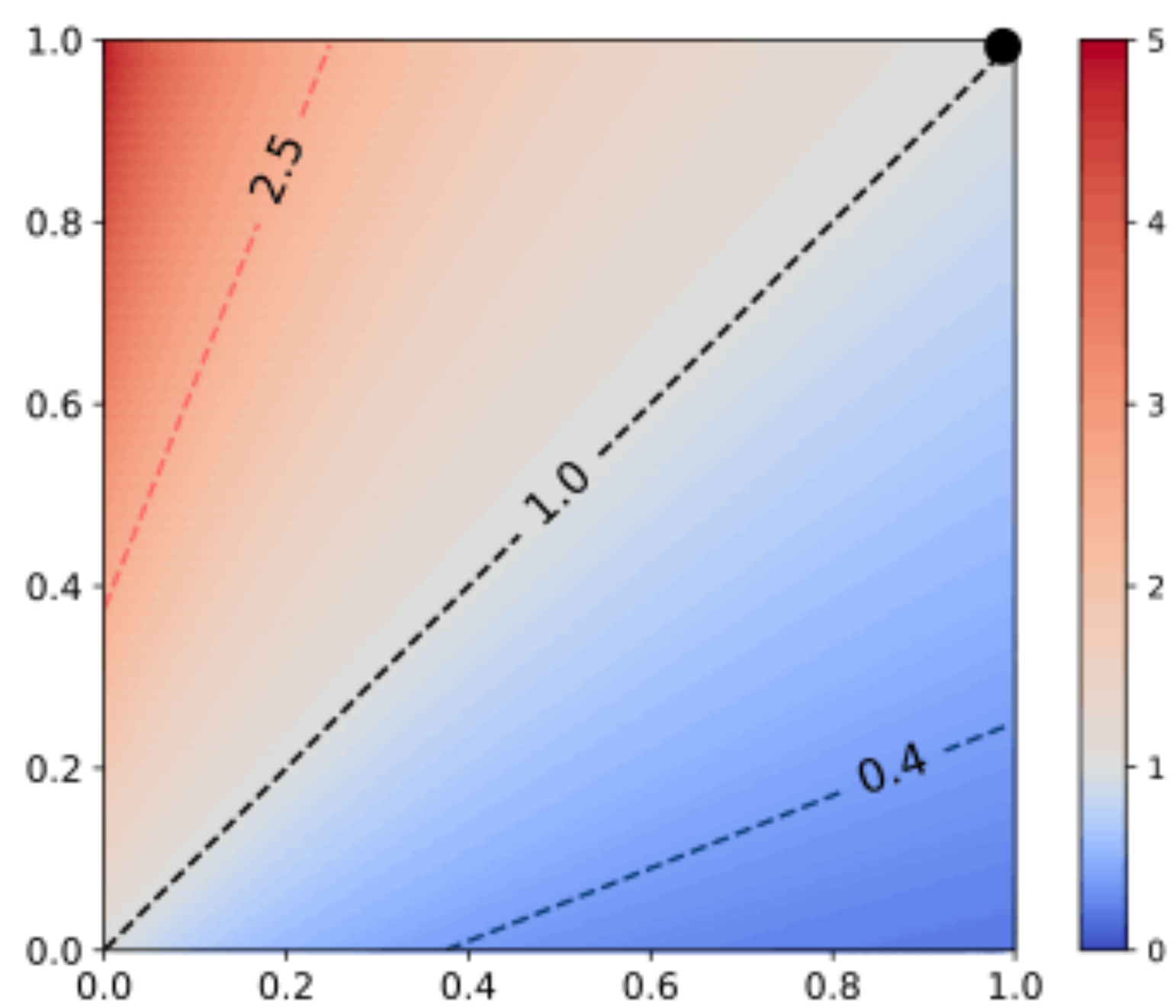
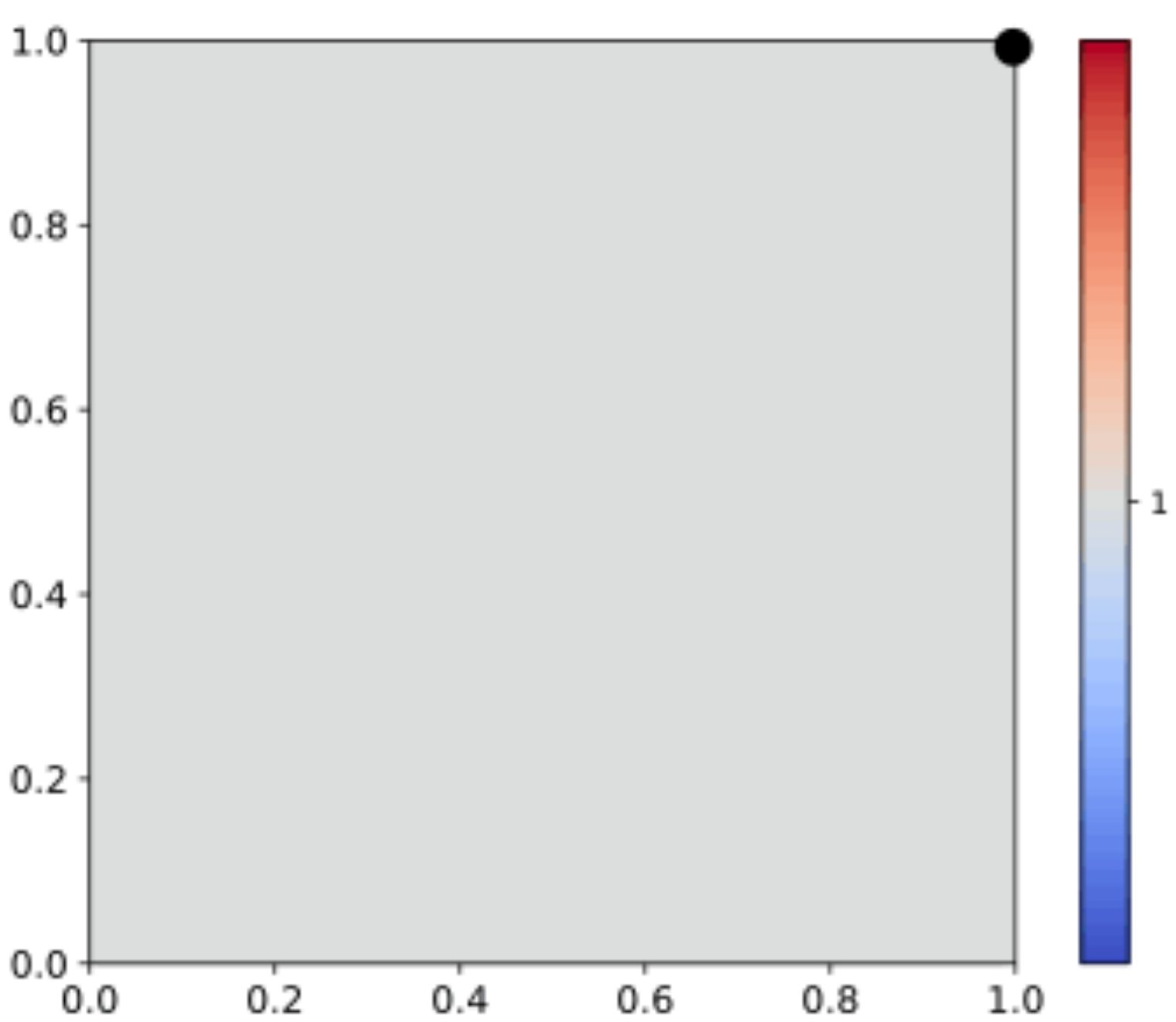
Lintra

Winter

R_1 / R_2

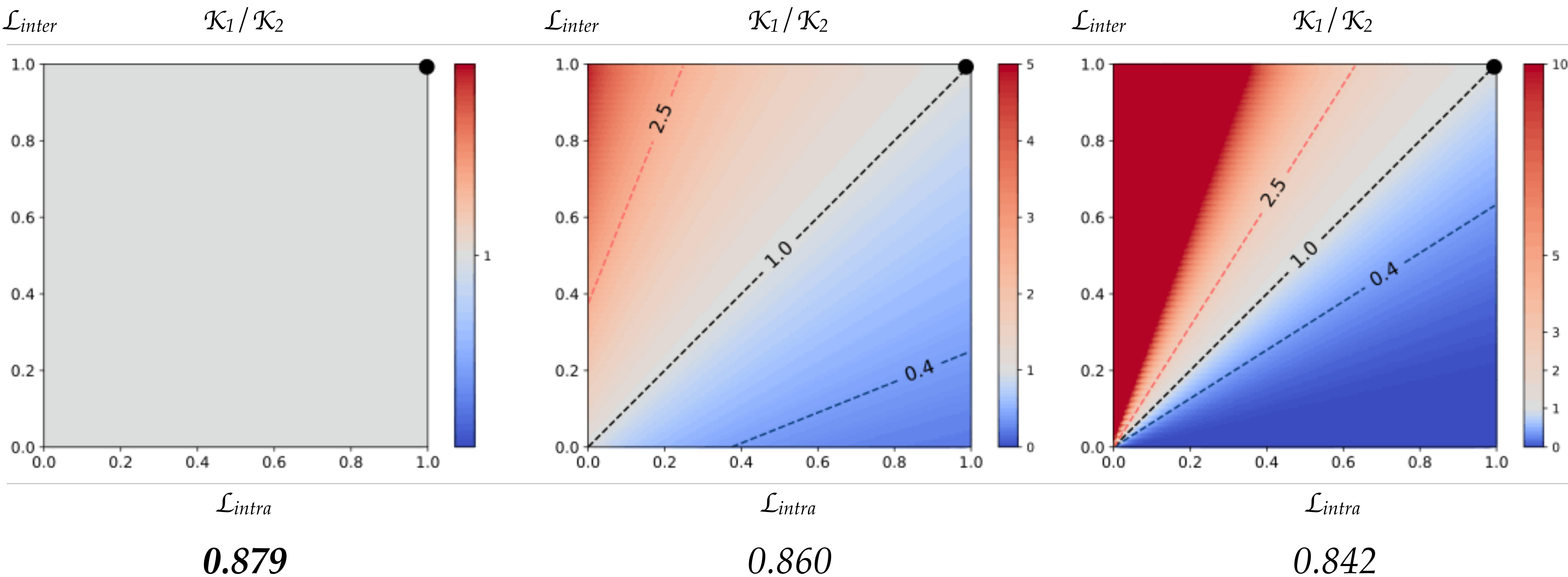
Adaptive Loss Weight: Not Working

0.879 0.860 0.842



Adaptive Loss Weight: Not (yet) Working

Experiments



<i>Clustering</i>	<i>Net</i>	<i>mSBD</i>	<i>Approx. Time / img</i>
<i>Angular</i>	<i>U-Net</i>	0.794	< 1 sec.
	<i>W-Net</i>	0.879	
<i>Mutex Watershed</i>	<i>U-Net</i>	0.719	< 1 sec.
	<i>W-Net</i>	0.771	
<i>Mean Shift</i>	<i>U-Net</i>	0.679	sec. - min.
	<i>W-Net</i>	0.733	
<i>HDBSCAN</i>	<i>U-Net</i>	0.631	sec. - min.
	<i>W-Net</i>	0.681	