

Dataset: Leaf Segmentation

Experiments

Workshop in { ECCV14, BMVC15, ICCV17, BMVC18, CVPR19, ECCV20 }



Train / Test: Arabidopsis 783 / 388

Tobacco 27 / 112

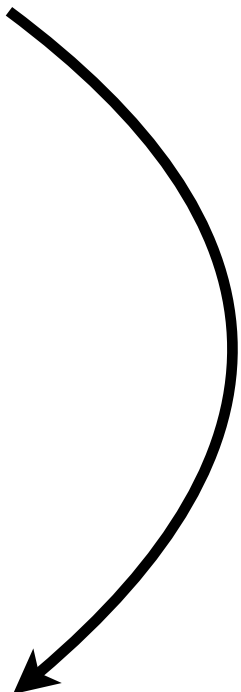
*“... a first class **model organism** and the single most important species for fundamental research in plant **molecular genetics**.” [1]*

*“Many discoveries with **direct relevance to human health and disease** have been elaborated using Arabidopsis.” [2]*

[1] https://en.wikipedia.org/wiki/History_of_research_on_Arabidopsis_thaliana

[2] Jones et al. *The impact of Arabidopsis on human health: diversifying our portfolio*. Cell.

Concatenative Layer	Net	mSBD
None (baseline)	U-Net	0.794
Coordinate		0.798
Distance Map	W-Net	0.824
D-Feat. 8 dim		0.864
D-Feat. 32 dim		0.879
E-Feat. 32 dim		0.847
E- & D-Feat. 16 dim		0.873



+ 8%

(Mean Symmetric Best Dice)