

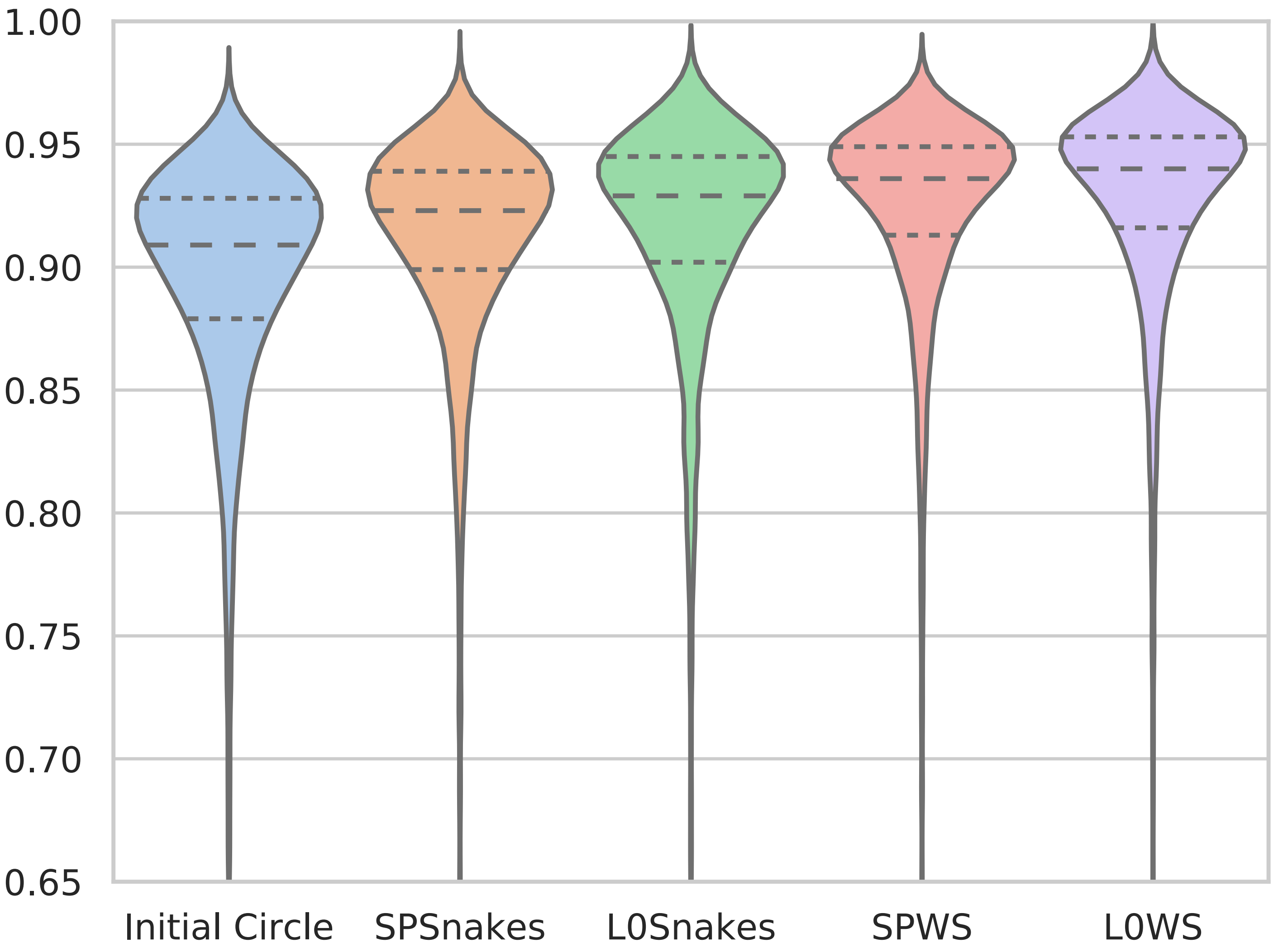
Yuli Wu

Contour Refinement of Leukocyte Segmentations in Scans of Stained Bone Marrow



Lehrstuhl für
Bildverarbeitung

RWTH AACHEN
UNIVERSITY

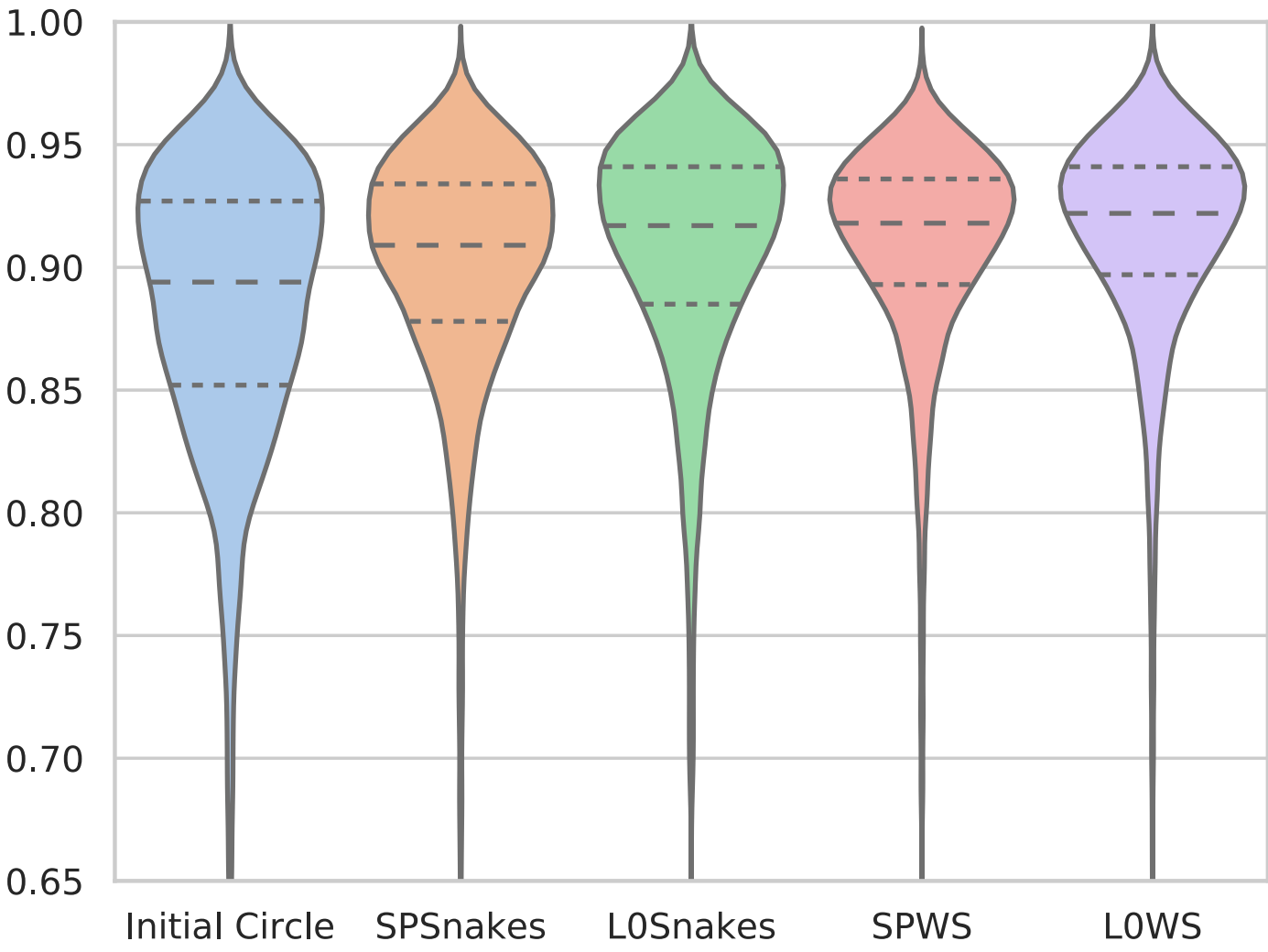


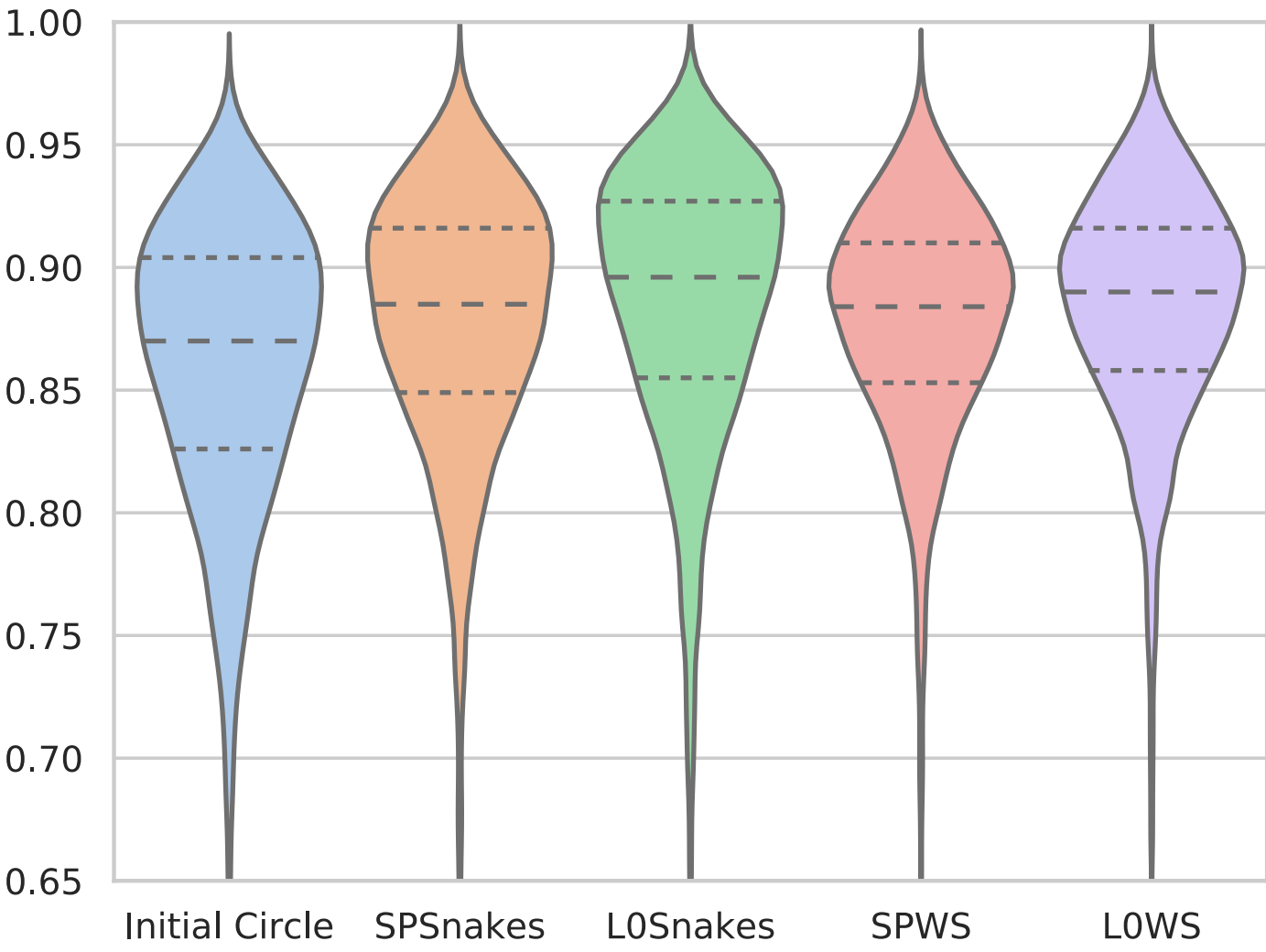
Dice-Index

Results & Evaluation

2

9





		<i>Average of Dice-Index</i>				
		Initial	SPSnakes	L0Snakes	SPWS	LOWS
No Errors		0.896	0.912	0.917	0.923	0.927
	Light Errors	0.883	0.900	0.906	0.908	0.912
	Heavy Errors	0.860	0.877	0.885	0.878	0.883

No Error

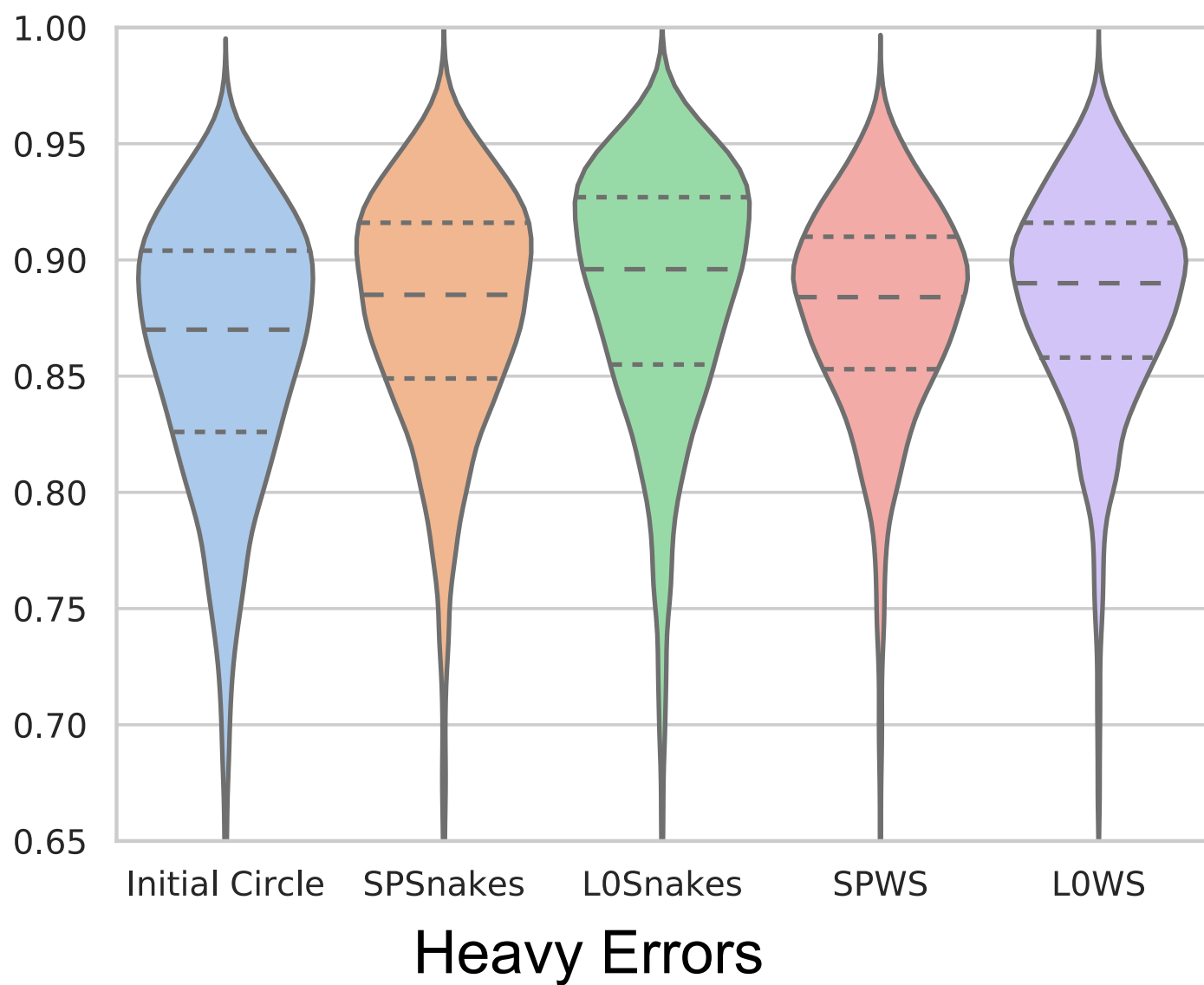
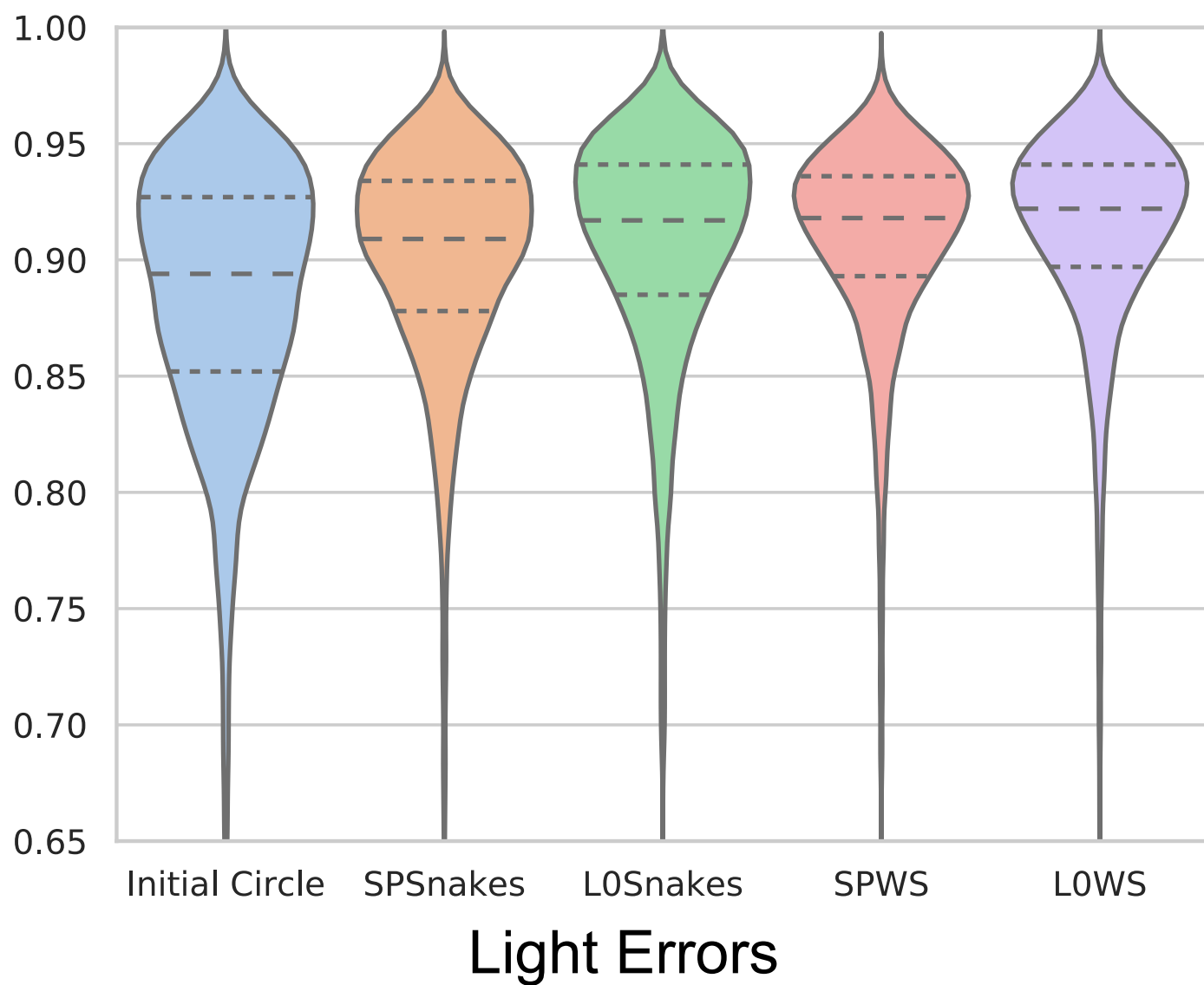
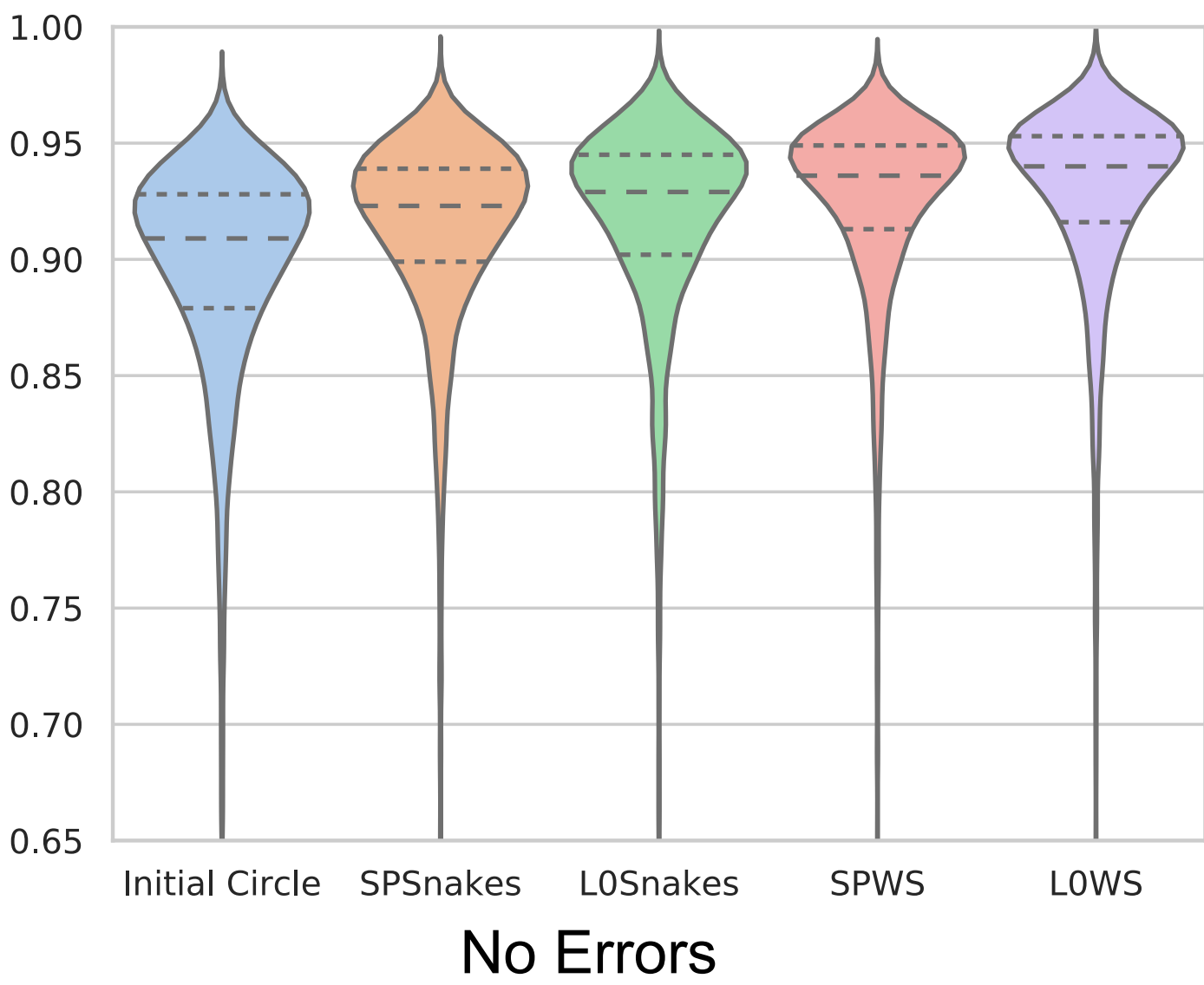
Heavy Errors

Light Errors

No Errors	Test data is untouched and contain no errors
Light Errors	max. 10% and 5% to the length of radius and coordinates of circle center respectively; Random errors are uniformly added
Heavy Errors	max. 15% and 10% to the length of radius and coordinates of circle center respectively; Random errors are uniformly added

Dice-Index

Results & Evaluation



Average of Dice-Index					
	Initial	SPSnakes	L0Snakes	SPWS	LOWS
No Errors	0.896	0.912	0.917	0.923	0.927
Light Errors	0.883	0.900	0.906	0.908	0.912
Heavy Errors	0.860	0.877	0.885	0.878	0.883

The task is about **refinement**.