

1 Appendix

Table 1. Ablation study of the distance threshold λ_{dis} . px denotes pixels. We fix the angle threshold $\lambda_{angle} = 60^\circ$. Results show that the best λ_{dis} is 20 pixels.

λ_{dis}	10px	15px	20px	25px	30px
mIOU	63.96	66.09	72.50	66.71	66.16
mDice	71.59	75.09	80.26	74.89	74.18

Table 2. Ablation study of the angle threshold λ_{angle} . We fix the distance threshold $\lambda_{dis} = 20$ pixels. Results show that the best λ_{angle} is 60° .

λ_{angle}	40°	50°	60°	70°	80°
mIOU	67.21	71.96	72.50	70.74	69.44
mDice	75.16	79.46	80.26	79.85	78.86

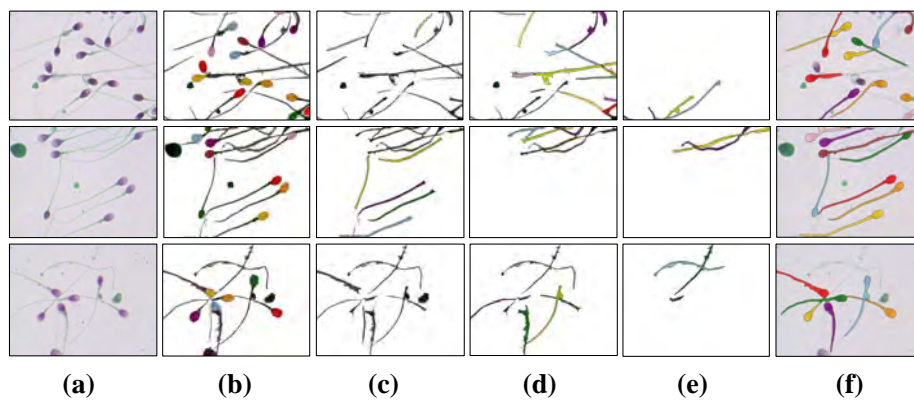


Fig. 1. Additional segmentation results of CS3. (a)The raw images. (b)-(e) The results of cascade SAM. (f) The results after mask matching and splicing.

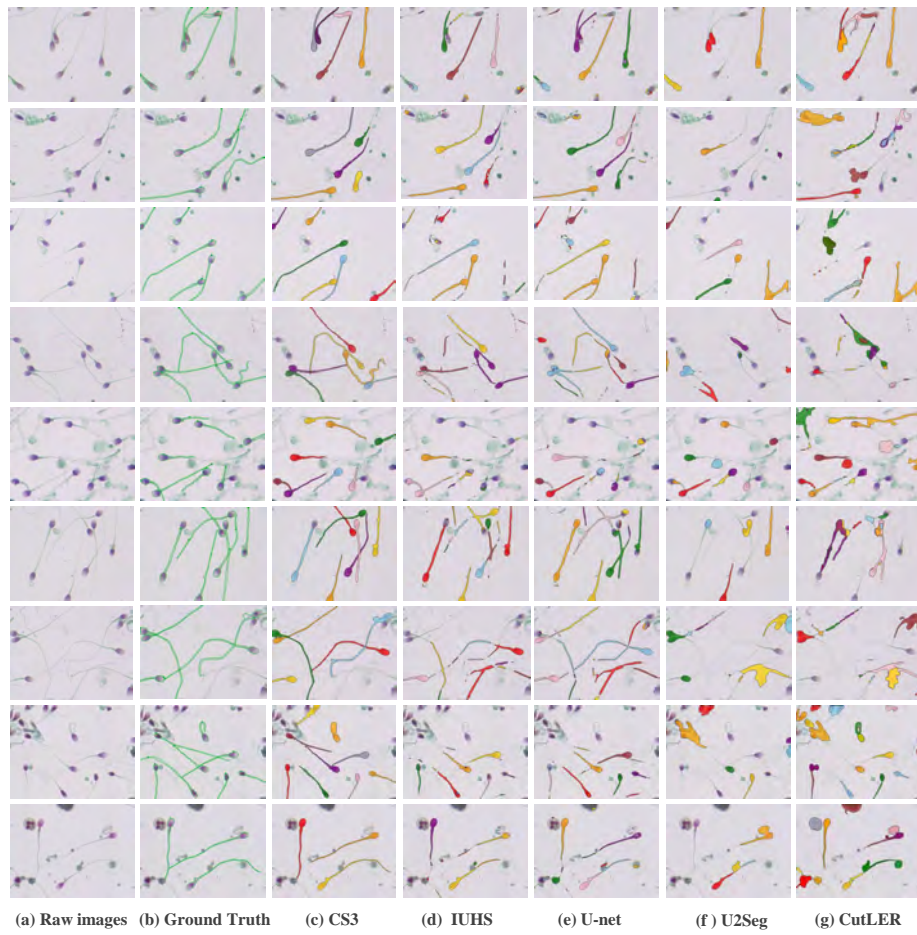


Fig. 2. Additional segmentation results of different methods. Our CS3 particularly excels in segmenting overlapping parts.