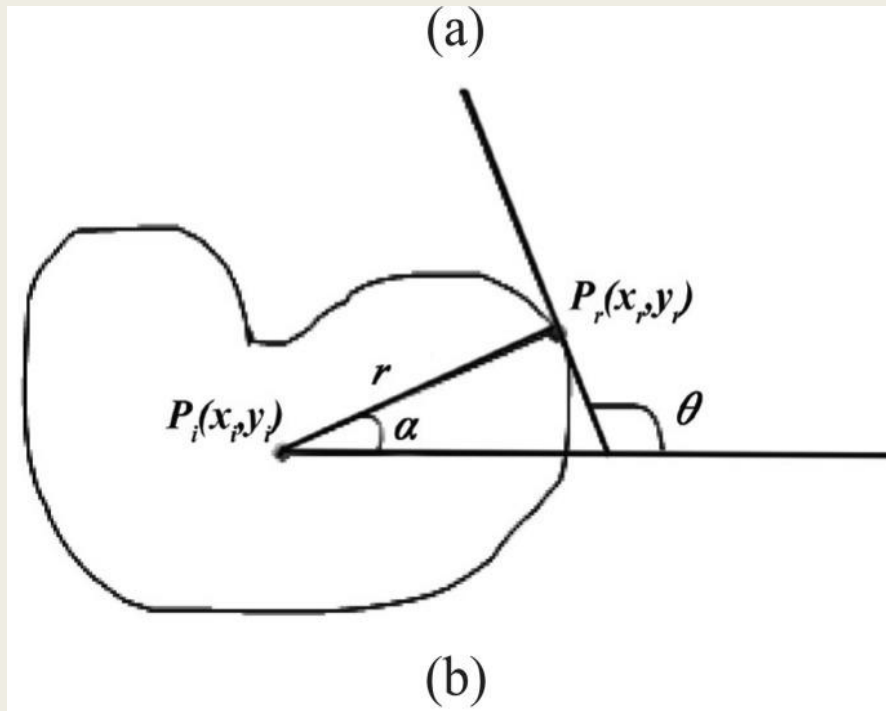
A thick black L-shaped frame is positioned on the left and bottom edges of the slide, framing the content.

# GENERALIZED HOUGH TRANSFORM

MPA-ABO

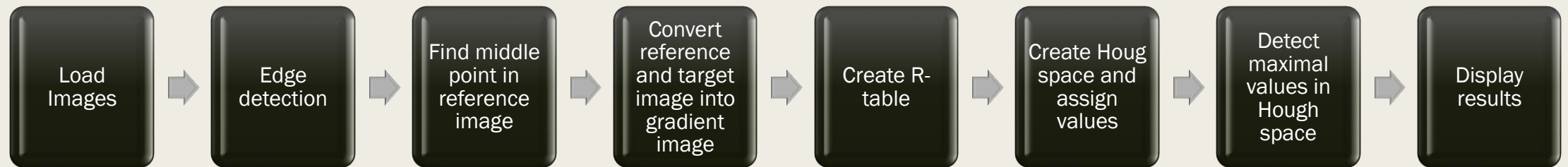
Ondřej Blaude, Jakub Mokrejš, Michal Šulc



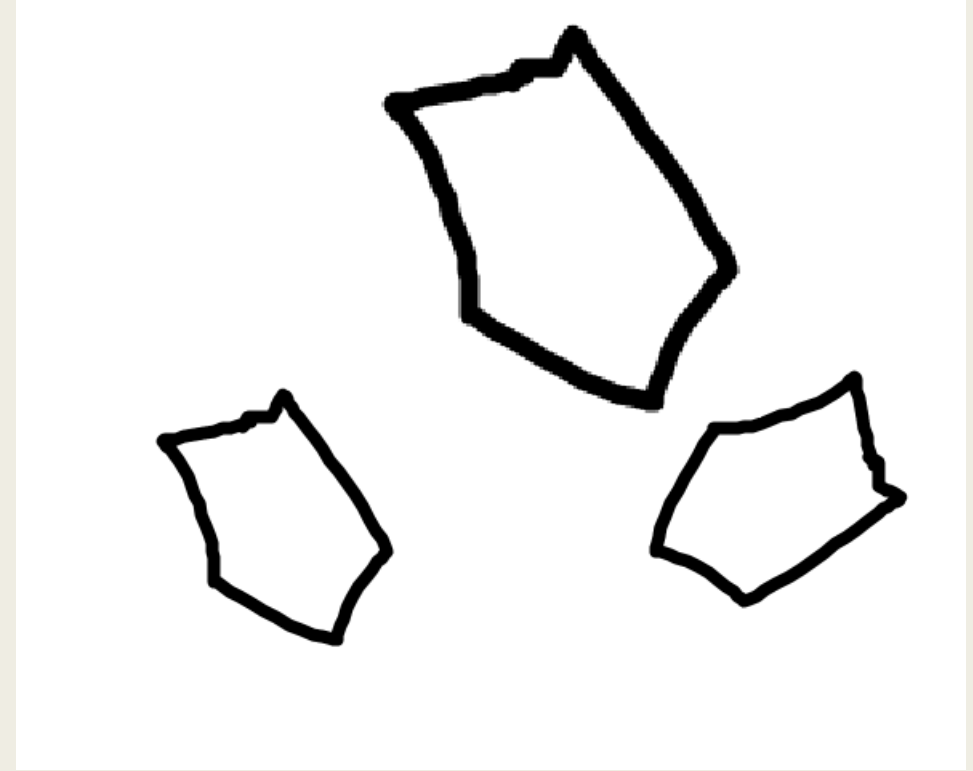
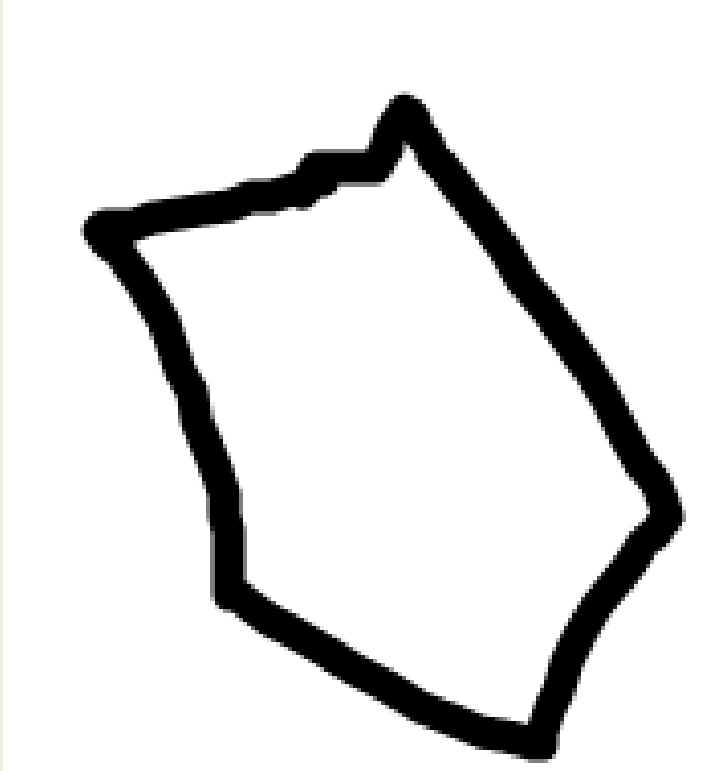
$\theta_i$	$(r, \alpha)$
$\Delta\theta$	$(r_1, \alpha_1), (r_2, \alpha_2)$
$2\Delta\theta$	$(r_3, \alpha_3)$
$3\Delta\theta$	$(r_4, \alpha_4), (r_5, \alpha_5), (r_6, \alpha_6)$
...	...

# THEORY BEHIND GENERALIZED HOUGH TRANSFORM

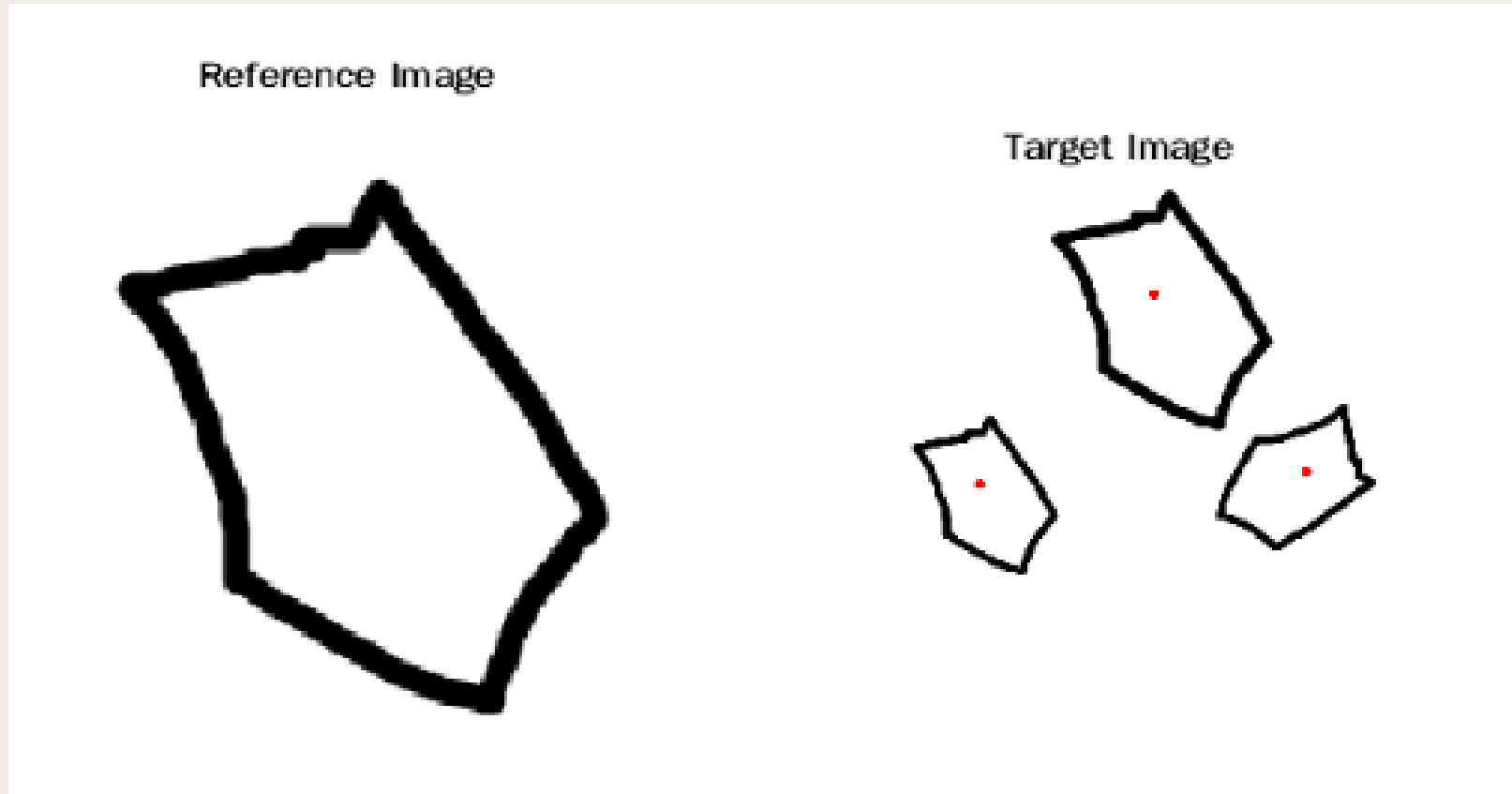
# Algorithm



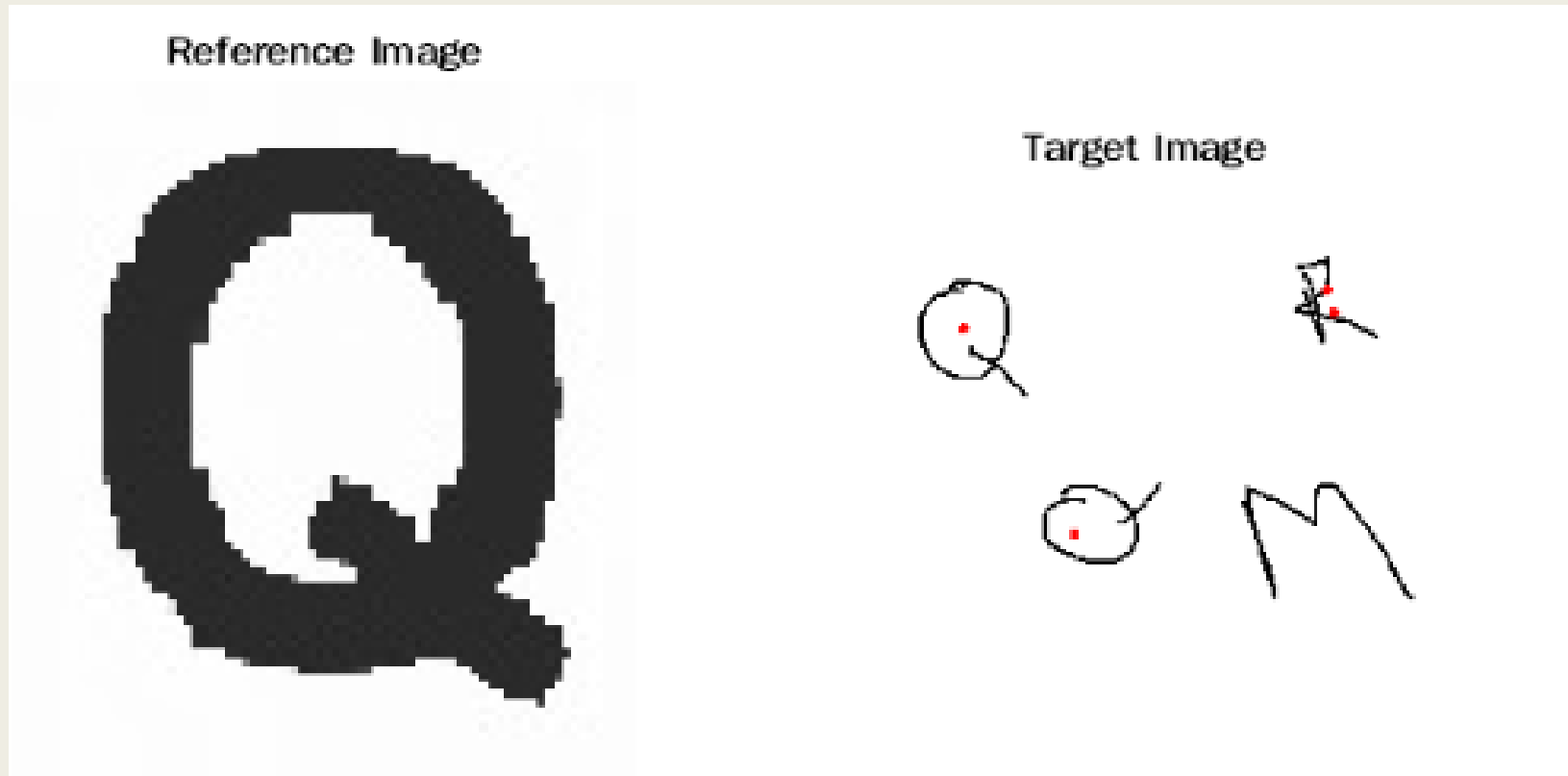
# Example of the reference and target image



# Results with reference points

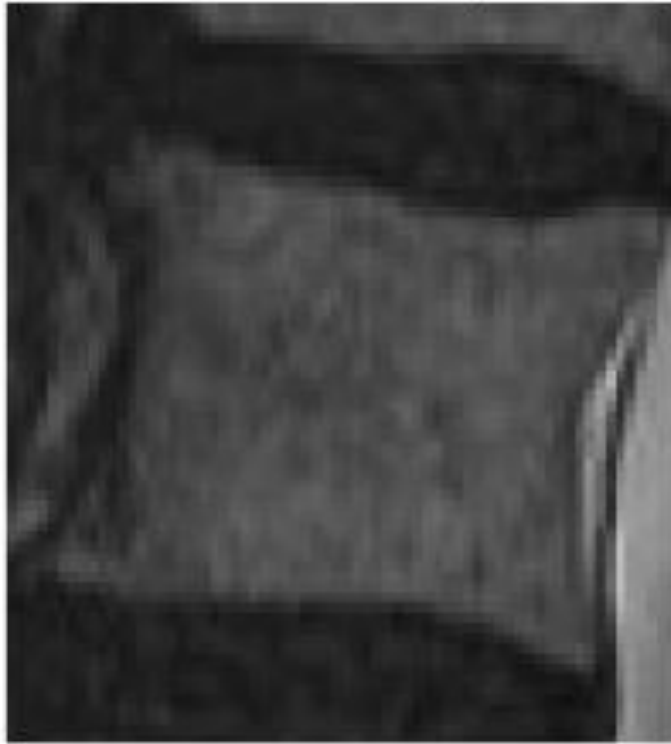


# Results– detecting letter Q



# Results – biomedical images

Reference Image



Target Image





# THANK YOU FOR YOUR ATTENTION

Any questions?

MPA-ABO

Ondřej Blaude, Jakub Mokrejš, Michal Šulc

