
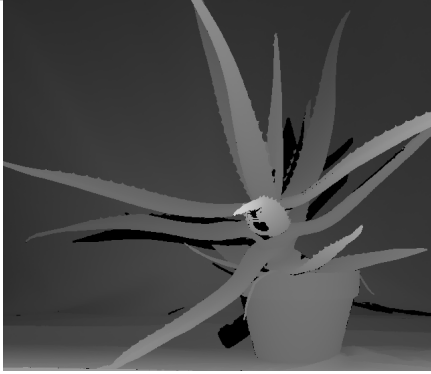

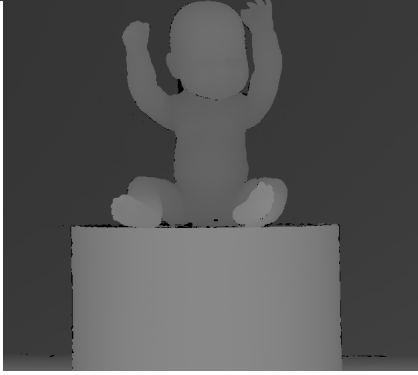


Documentation

Letiushev Nikita

29th October 2022

Results of naive stereo matching

	
aloe: naive stereo matching	aloe: ground truth
	
baby: naive stereo matching	baby: ground truth

Optimal parameters for naive stereo matching

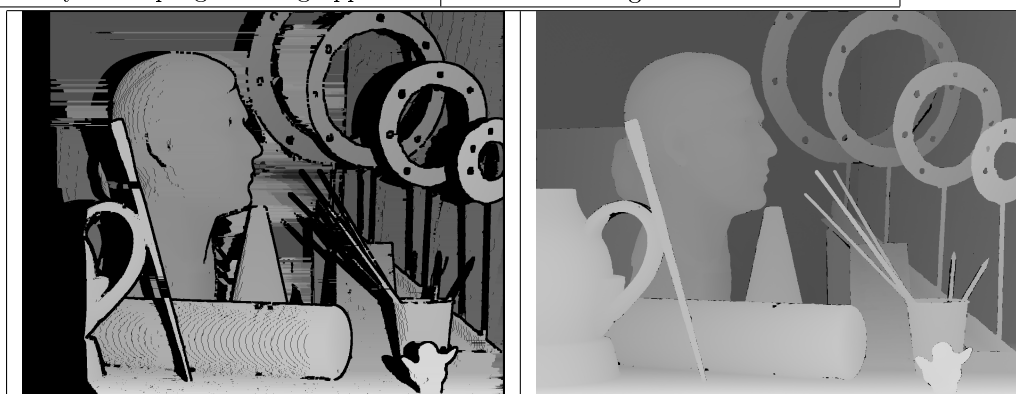
image name	lambda	window size	d min
cones	100	3	150
aloe	50	3	150
art	250	7	250
baby	240	7	230
cloth	190	3	110
rocks	160	5	90

Results of dynamic programming approach



aloe: dynamic programming approach

aloe: ground truth



art: dynamic programming approach

art: ground truth

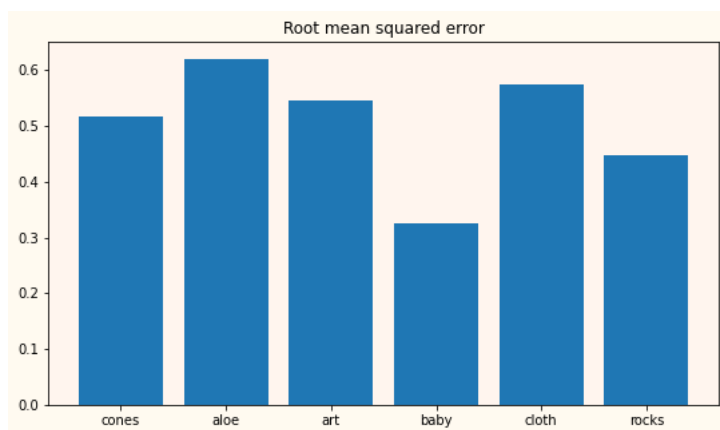
Optimal parameters for dynamic programming approach

image name	lambda	window size	d min
cones	130	3	220
aloe	100	3	100
art	130	5	160
baby	110	3	130
cloth	140	3	190
rocks	150	3	170

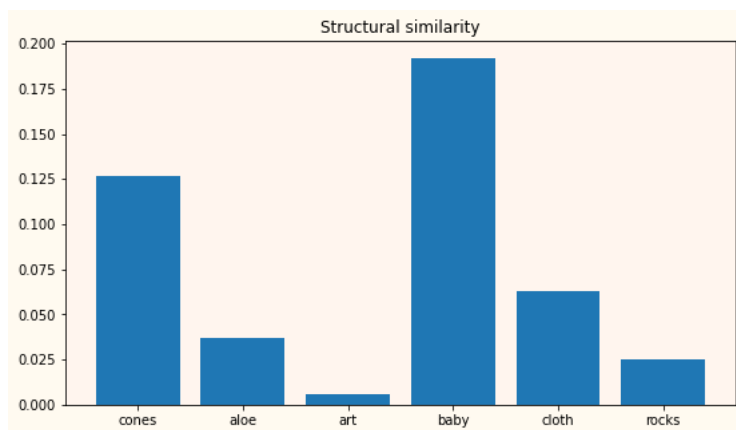
Evaluation

Naive stereo matching

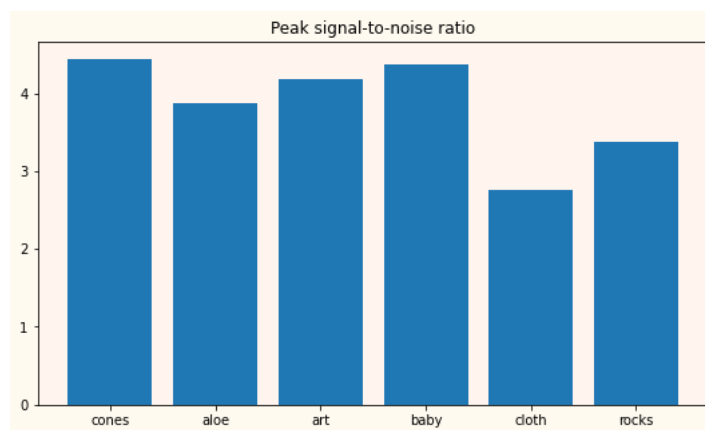
Root-mean-square error



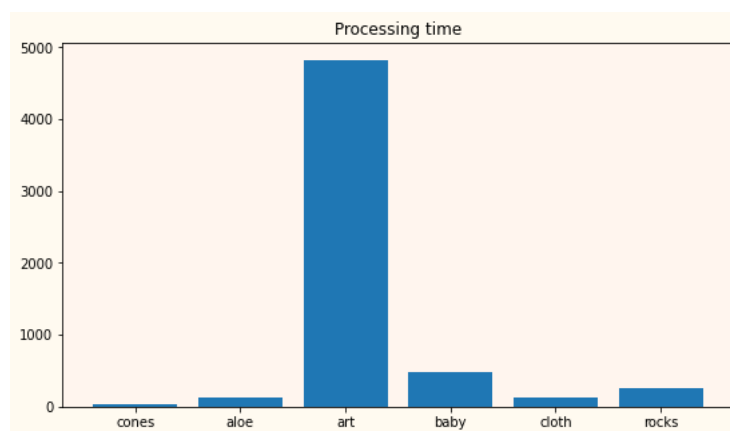
Structural similarity



Peak signal-to-noise ratio

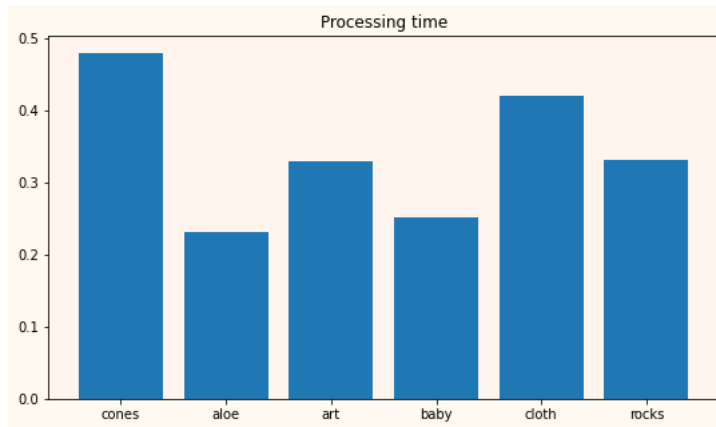


Processing time

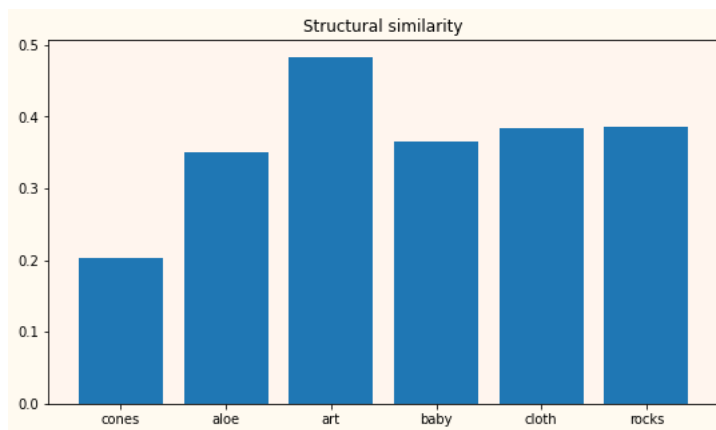


Dynamic programming approach

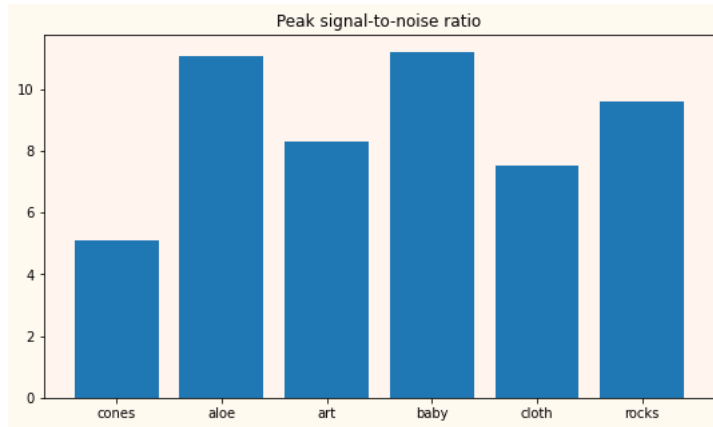
Root-mean-square error



Structural similarity



Peak signal-to-noise ratio



Processing time

