

One-by-One Tuning




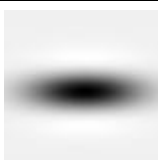

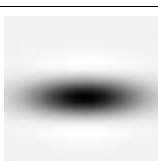
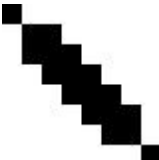

Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_x	ω	ϕ	θ
0, big			2.88	-1.00	0.85	1.99	1.19	180.00	0.00
0, medium			2.63	-1.00	0.86	1.97	1.19	180.00	0.00
0, small			2.11	-1.00	0.87	1.93	1.16	180.00	0.01
135, big			2.92	1.00	0.81	1.98	1.15	0.00	135.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value

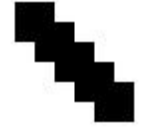

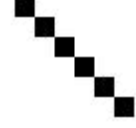

Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_y	ω	ϕ	θ
135, medium			2.88	-1.00	0.81	1.97	1.15	180.00	135.00
135, small			2.18	-1.00	0.81	1.94	1.12	180.00	125.05
135, tiny			1.44	1.00	0.91	1.98	1.04	0.00	135.00
45, big			2.93	-1.00	0.78	2.00	1.17	180.00	45.00
45, medium			2.89	-1.00	0.78	1.99	1.17	180.00	45.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value











Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_x	ω	ϕ	θ
45, small			2.20	-1.00	0.78	1.95	1.11	180.00	54.85
45, tiny			1.59	-1.00	0.74	2.00	1.00	180.00	45.00
90, big			2.88	-1.00	0.85	1.99	1.20	180.00	90.00
90, medium			2.62	-1.00	0.86	1.97	1.19	180.00	90.00
90, small			2.10	-1.00	0.87	1.93	1.17	180.00	90.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value

Simultaneous Tuning




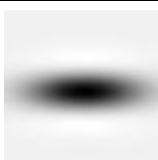


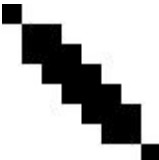

Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_y	ω	ϕ	θ
0, big			2.88	1.00	0.86	1.98	1.19	0.00	180.00
0, medium			2.63	1.00	0.86	1.97	1.18	0.00	0.00
0, small			2.11	1.00	0.86	1.93	1.16	0.00	0.01
135, big			2.92	1.00	0.81	1.97	1.15	0.00	135.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value

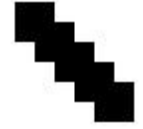


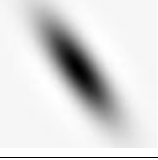
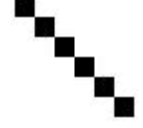



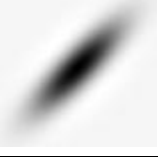
Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_y	ω	ϕ	θ
135, medium			2.88	1.00	0.82	1.97	1.15	0.00	135.00
135, small			2.18	1.00	0.82	1.94	1.12	0.00	125.01
135, tiny			1.42	1.00	0.92	1.98	1.04	0.00	135.00
45, big			2.93	1.00	0.78	2.00	1.17	0.00	45.00
45, medium			2.89	1.00	0.78	1.99	1.17	0.00	45.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value






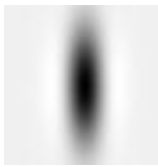

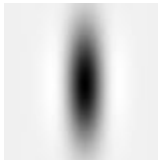


Orientation and Size	Input Image	Gabor Filter	Response	A	σ_x	σ_y	ω	ϕ	θ
45, small			2.20	1.00	0.78	1.95	1.11	0.00	54.86
45, tiny			1.59	1.00	0.74	2.00	1.00	0.00	45.00
90, big			2.88	1.00	0.85	1.99	1.20	0.00	90.00
90, medium			2.63	1.00	0.85	1.97	1.19	0.00	90.00
90, small			2.10	1.00	0.87	1.93	1.17	0.00	90.00

Table 11.1: Results obtained by tuning the Gabor filter for different input images. Notice that θ has the correct value



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