	1	ı	1.	I.			T		<u> </u>		
	airplane		boats	lena	mandril	peppers	tiffany	zelda	max		min
							510x510				
	diff1	diff1	diff1	diff1	diff1	diff1	diff1	diff1			
brightness -20%	0.3	3.1	1.1	0.7	0.3	3.1	0	1.1		3.1	
	0.3	1.5	0.3	0.7	0.3	2.7	0			2.7	
brightness -15% brightness -10%	0	0		0.3			0	0.7		1.9	
	_										
brightness -5% brightness 5%	0	0		0		1.1 0.3	0.7	0		1.1 0.7	
	0	0			0	0.3		0			
brightness 10%	0.7	0		0.3	0.7	0.3	2.3	0		2.3	
brightness 15%	4.2	0.7	0.3	0.7	0.7	0.3	8.2	0.3		8.2	
brightness 20%	4.2	0.7	0.3	0.7	0.7	0.3	6.2	0.5		0.2	
contrast -20%	0	0	0.3	0	0	0	0	0		0.3	
contrast -15%	0	0		0						0.3	
contrast -10%	0	0		0			0	0		0.3	
contrast -5%	0	0		0			0			0.7	
contrast 5%	0	0		0		0.3	0.7	0		0.3	
contrast 10%	0	0	0.3	0		1.1	2.3	0		2.3	
contrast 10%	0	0		0.3	0		2.3	0		2.3	
contrast 15%	0	0.7	0.7	0.3	0.7	2.3	4.2	0.3		4.2	
COILLI dSL ZU/0	+ 0	0.7	0.7	0.3	0.7	2.3	4.2	0.3		4.2	
	1										
gamma 0.75	0.3	3.5	1.5	0.7	1.1	3.1	0.3	0.3	 	3.5	
gamma 0.75 gamma 0.8	0.3	2.3	1.5	0.7	0.7	2.7	0.3	0.3		2.7	
gamma 0.85	0.3	2.3	1.5	0.3	0.7	2.7	0.3	0.3		2.7	
-	_										
gamma 0.9	0.3	1.5 0.7	0.3	0.3	0	1.1 1.1	0.3	0		1.5 1.1	
gamma 1.05	1.1	1.5	0.7	0.3	0	0.3	0	0		1.1	
gamma 1.1 gamma 1.15	0.7	1.5	1.1	0.3	0		0			1.5	
gamma 1.13	0.7	1.5	1.1	0.3	0		0			1.5	
<u> </u>	0.7				0		0			1.5	
gamma 1.25	0.7	1.5	0.7	0.3	U	0.3	U	U		1.5	
blur 0.5	0	0	0	0	0	0.3	0	0		0.3	
blur 1	0	0.7	0.3	0		1.1	0.3	0		1.1	
blur 2	0.3	1.1	1.9	0		1.1	0.3	0		1.1	
blur 3	0.3	1.5	2.3	0.3	1.1	1.5	0.7	0		2.3	
biul 3	0.7	1.3	2.3	0.3	1.1	1.3	0.7	U		2.3	
compress 5	3.9	4.2	7.8	1.9	2.3	2.7	5	0.7		7.8	
compress 10	3.1	1.9	1.5	0.3	1.1	1.5	2.3	0.7		3.1	
compress 25	1.5	0.3	0.7	0.3		0.7	1.1	0		1.5	
compress 50	0.7	0.3		0						0.7	
compress 75	1.1	0.3					0.3	0	 	1.1	
compress 100	+ 0	0	0	- 0	"	0	0	0		0	
	+								 		
color poice O.F	1 1	0.7	0.7	0	0	1 -	1.4	0	-	1 -	
color noise 0.5	1.1	0.7			0.7		1.1 1.9			1.5	
color noise 1	1.5	1.5		0.3		1.9		0	-	1.9	
color noise 1.5	3.1	1.9		0.3	1.1	2.3	3.5			3.5	
color noise 2	3.1	1.9		0.3	1.9			0.3	-	3.5	
color noise 2.5	3.1	1.9		0.3	2.3		4.2			4.2	
color noise 3	3.1	2.3	4.6	0.3	2.7	2.3	4.6	0.3		4.6	
	-										
	1			_	_			_		4.4	
gray noise 0.5	1.1	0.7		0			0.3			1.1	
gray noise 1	1.9	1.1		0		0.3	1.1	0		2.3	
gray noise 1.5	2.3	1.1	2.7	0.3		0.3	1.5	0		2.7	
gray noise 2	2.7	1.1		0.3	1.1	0.3	2.3			3.5	
gray noise 2.5	2.7	1.1	3.9	0.7	1.1	0.3	3.9	0.3		3.9	
gray noise 3	3.1	1.1	3.9	1.9	1.9	0.3	5	0.3		5	
	+		-				-				
i 250/	+ -	^-		_	^ -					~ -	
resize 25%	0		0.3	0			0.3	0		0.7	
resize 50%	0			0			0			0.7	
resize 75%	0			0						0.3	
resize 150%	0			0						0.3	
resize 200%	0	0	0.3	0	0	0.3	0	0		0.3	J

	_	_ 1			- 1			_		ı
resize 400%	0	0	0.3	0	0	0.3	0	0	0.3	
rotation -90	46.8	53.9	50.7	50	44.5	50	47.6	51.5		
rotation -45	57	53.1	54.2	46.8	58.2	48	46	49.6		
rotation -30	53.5	50.3	51.5	45.3	54.6	47.6	44.9	45.7		
rotation -15	42.5	47.6	44.5	46	42.9	48.4	39.8	39.4		
rotation -5	28.5	30.4	29.2	32.8	26.5	28.1	25.3	25		
rotation 5	33.2	32	26.9	30	21.8	26.5	25.7	26.1		
rotation 15	51.1	43.3	38.2	40.2	42.1	47.6	41.7	37.8		
rotation 30	55.8	42.5	48.4	45.3	55.4	45.7	42.5	43.3		
rotation 45	60.9	45.3	49.6	46.8	59.7	49.6	46	48.8		
rotation 90	46.8	53.9	50.7	50	44.5	50	47.6	51.5		
	г о	г 4	-	2.0	2.0	2.7	г 4	2.0	Γ.0	
rotcrop 1	5.8	5.4	9.3	3.9 8.9	3.9	2.7	5.4 9.3	3.9	5.8	
rotcrop 2	10.1	10.1			7.8	6.6		17.1	10.1	
rotcrop 5	19.1	26.5	16.7	20.3	12.5	16.7	18.3	17.1	26.5	
rotcrop 7	23.4	33.2	26.1	28.1	16.7	23	23	21.4		
rotcrop 10	28.1	37.8	34.7	33.2	22.6	30 25.1	30	28.5		
rotcrop 15	37.5	43.3	37.1	41.7	30.4	35.1	36.3	35.1		
rotcrop 20	43.3	46	39 44.0	44.1	35.9	41.4	38.2	40.2		
rotcrop 30	42.9	46	44.9	44.5	39.8	46.8	41.7	39 45.7		
rotcrop 45	44.9	50.7	48.8	42.1	44.1	53.1	42.5	45.7		
rotcrop 90	46.8	53.9	50.7	50	44.5	50	47.6	51.5		
a.	44.5	42.7	20.2	42.7	24.2	10.1	44.4	10.6		
flop	44.5	43.7	38.2	43.7	24.2	48.4	41.4	40.6		
flip	38.2	53.1	57	48.4	47.6	54.6	46	54.6		
transpose	41.4	42.1	39.8	35.9	38.2	46.8	41.4	48.4		
transverse	44.5	45.3	57	59.3	39.8	50	49.2	57.8		
	F4 F	4.0	47.6	42.4	47.6	47.2	F0.7	40.2		
translate north (black)	51.5	46	47.6	42.1	47.6	47.2	50.7	49.2		
traslate west (black)	53.9	42.1	47.2	47.2	49.6	50.3	49.2	50		
translate northwest (black)	55.8	47.2 46	46.4	48.4	51.1	51.5	50.3 50.7	48.4 49.2		
translate north vs west (black)	51.5	40	47.6	42.1	47.6	47.2	50.7	49.2		
translate north (white)	51.1	53.9	51.1	47.6	54.6	44.5	50	42.9		
traslate west (white)	49.6	50	50	42.9	49.6	49.2	47.6	48.4		
translate northwest (white)	56.2	51.9	52.3	45.3	51.1	49.2	49.2	42.9		
translate north vs west (white)	51.1	53.9	51.1	47.6	54.6	44.5	50	42.9		
translate north vs west (write)	31.1	33.5	31.1	47.0	34.0	44.3	30	42.5		
watermark 20%	3.9	4.2	4.2	0.7	2.7	3.5	6.2	2.7	6.2	
watermark 40%	4.2	6.2	6.2	3.1	3.5	5.8	10.9	5.8	10.9	
watermark 60%	5.8	7.8	7	4.6	6.2	7.8	11.7	5.8 7	11.7	
watermark 80%	6.2	9.3	7.8	4.6	7.8	8.5	11.7	8.2		
watermark 80% watermark 100%	7	9.3	8.2	5.8	7.8 8.2	9.3	14	8.2	14	
watermark 100/0	/	5.3	0.2	3.6	0.2	5.5	14	0.2	14	
shear 1	8.9	5.4	5.4	3.1	5.4	3.5	8.2	3.9	8.9	
shear 2	12.5	9.3	9.7	9.3	8.2	7.8	9.7	6.2	12.5	
shear 3	14.4	15.6	12.1	15.6	11.3	10.9	12.8	10.5	15.6	
shear 4	16.7	20.7	13.6	17.5	13.2	10.9	15.2	10.5	20.7	
shear 5	19.1	20.7	15.6	22.6	14.4	17.9	17.1	16.4	20.7	
shear 10	27.3	33.9	24.6	32	27.7	26.9	30.8	25	23	
Silcul 10	21.5	33.5	24.0	32	21.1	20.3	30.8	23		
arc 1	7	4.6	4.2	3.9	3.5	2.7	4.6	0.7	7	
arc 2	10.5	6.6	7	5.8	5.5 5	4.2	6.2	1.9		
arc 3	12.8	9.7	8.5	9.7	7.4	6.6	9.7	6.6	12.8	
arc 4	14.4	11.7	10.9	12.5	9.7	8.5	13.2	7.8		
arc 5	15.6	15.2	12.5	15.2	12.8	8.9	13.2	10.1	15.6	
arc 10	22.6	22.2	19.9	24.6	20.7	15.2	19.1	17.1	24.6	
u10 10	22.0	22.2	13.3	24.0	20.7	13.2	13.1	17.1	24.0	
barrel 0.1	11.3	10.5	8.9	7.4	7.8	7.4	14.4	7.4	14.4	
barrel 0.2	11.3	17.1	17.5	16	15.2	12.1	21	14		
			23.4	22.2			26.5	21		
barrel 0.3	18.3	22.6	25.4	22.2	23.4	21	20.5	21	26.5	l

	25.7	29.6	28.5	25.7	27.7	27.7	25		29.6	
32.4	33.9	29.6	35.1	23.4	25.7	26.5	24.6			
37.8	36.3	33.9	40.2	28.5	31.2	33.5	28.9			
41	37.8	35.9	44.9	32	35.9	36.3	32			
43.3	42.5	39	46.4	33.9	38.6	36.7	35.1			
0	48.8	50.7	45.7	46	50.3	49.2	48.8			
48.8	0	47.2	50.7	50.3	53.1	55	51.5			
50.7	47.2	0	52.7	45.3	53.5	44.5	54.2			
45.7	50.7	52.7	0	53.5	51.5	52.7	50			
46	50.3	45.3	53.5	0	54.2	55.4	55			
50.3	53.1	53.5	51.5	54.2	0	44.9	46			
49.2	55	44.5	52.7	55.4	44.9	0	47.2			44.5
48.8	51.5	54.2	50	55	46	47.2	0			
									29.6	44.5
									25.0	14.9
										14.5
5, all water	mark, she	ear up to 5	, all arc a	nd all barr	el					
ncushion										
	37.8 41 43.3 0 48.8 50.7 45.7 46 50.3 49.2 48.8	37.8 36.3 41 37.8 43.3 42.5 0 48.8 48.8 0 50.7 47.2 45.7 50.7 46 50.3 50.3 53.1 49.2 55 48.8 51.5	37.8 36.3 33.9 41 37.8 35.9 43.3 42.5 39 43.3 42.5 39 64.2 50.7 47.2 0 45.7 50.7 52.7 46 50.3 45.3 50.3 50.3 50.3 55.3 55.3 55.3 55.5 54.2 48.8 51.5 54.2 55, all watermark, shear up to 56, all watermark, shear up to 57, all watermark, shear up to 5	37.8 36.3 33.9 40.2 41 37.8 35.9 44.9 43.3 42.5 39 46.4 0 48.8 50.7 45.7 45.7 45.7 50.7 50.7 52.7 0 46 50.3 45.3 53.5 50.3 53.1 53.5 51.5 49.2 55 44.5 52.7 48.8 51.5 54.2 50 5 5, all watermark, shear up to 5, all arc a	37.8 36.3 33.9 40.2 28.5 41 37.8 35.9 44.9 32 43.3 42.5 39 46.4 33.9 46.4 33.9 46.4 45.5 39 46.4 45.7 46.1 45.7 50.7 50.3 50.7 47.2 0 52.7 45.3 45.7 50.7 52.7 0 53.5 46.5 50.3 45.3 53.5 51.5 54.2 49.2 55 44.5 52.7 55.4 48.8 51.5 54.2 50 55.5 55.5 54.2 50.5 55.5 55.5 55.5 55.5 55.5 55.5 55	37.8 36.3 33.9 40.2 28.5 31.2 41 37.8 35.9 44.9 32 35.9 44.3 32.3 35.9 44.3 32.9 38.6 32.0 32.0 32.0 32.0 32.0 32.0 32.0 32.0	37.8 36.3 33.9 40.2 28.5 31.2 33.5 41 37.8 35.9 44.9 32 35.9 36.3 43.3 42.5 39 46.4 33.9 38.6 36.7 44.3 42.5 39 46.4 33.9 38.6 36.7 44.8 0 47.2 50.7 50.3 53.1 55 50.7 47.2 0 52.7 45.3 53.5 44.5 45.7 50.7 50.3 45.3 53.5 0 54.2 52.7 46 50.3 45.3 53.5 51.5 52.7 46 50.3 45.3 53.5 51.5 52.7 46.2 50.3 45.3 53.5 51.5 54.2 50 44.9 49.2 55 44.5 52.7 55.4 44.9 0 44.9 55 44.5 52.7 55.4 44.9 0 44.8 51.5 54.2 50 55 46 47.2 55, all watermark, shear up to 5, all arc and all barrel	37.8 36.3 33.9 40.2 28.5 31.2 33.5 28.9 41 37.8 35.9 44.9 32 35.9 36.3 32 43.3 42.5 39 46.4 33.9 38.6 36.7 35.1 0 48.8 50.7 45.7 46 50.3 49.2 48.8 48.8 0 47.2 50.7 50.3 53.1 55 51.5 50.7 47.2 0 52.7 45.3 53.5 44.5 54.2 45.7 50.7 52.7 0 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 52.7 50 46.5 50.3 53.1 55 51.5 52.7 50 48.8 51.5 52.7 55.4 55 54.2 0 44.9 46 49.2 55 44.5 52.7 55.4 44.9 0 47.2 48.8 51.5 54.2 50 55 46 47.2 0	37.8 36.3 33.9 40.2 28.5 31.2 33.5 28.9 41 37.8 35.9 44.9 32 35.9 36.3 32 43.3 42.5 39 46.4 33.9 38.6 36.7 35.1 0 0 48.8 50.7 45.7 46 50.3 49.2 48.8 48.8 0 47.2 50.7 50.3 53.1 55 51.5 50.7 47.2 0 52.7 45.3 53.5 44.5 54.2 45.7 50.7 52.7 0 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 54.2 0 44.9 46 49.2 55 44.5 52.7 55.4 44.9 0 47.2 48.8 51.5 54.2 50 55 46 47.2 0 55, all watermark, shear up to 5, all arc and all barrel	37.8 36.3 33.9 40.2 28.5 31.2 33.5 28.9 41 37.8 35.9 44.9 32 35.9 36.3 32 43.3 42.5 39 46.4 33.9 38.6 36.7 35.1 0 0 48.8 50.7 45.7 46 50.3 49.2 48.8 48.8 0 47.2 50.7 50.3 53.1 55 51.5 50.7 47.2 0 52.7 45.3 53.5 44.5 54.2 45.7 50.7 52.7 0 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 52.7 50 46 50.3 45.3 53.5 51.5 54.2 0 44.9 46 49.2 55 44.5 52.7 55.4 44.9 0 47.2 48.8 51.5 54.2 50 55 46 47.2 0 55, all watermark, shear up to 5, all arc and all barrel