

MPI : Μετρήσεις

Processes/Image Scale	1 / 4	1 / 4 (r)	1 / 2	1 / 2 (r)	1	1 (r)	2	2 (r)	4	4 (r)	8	8 (r)	16	16 (r)
Derivative Resolution	960x1260	960x1260	1920x1260	1920x1260	1920x2520	1920x2520	3840x2520	3840x2521	3840x5040	3840x5040	7680x5040	7680x5040	7680x10080	7680x10080
1	2.313	2.313	4.609	4.613	9.236	9.214	18.438	18.423	36.921	36.893	73.701	73.695	147.524	147.689
4	0.658	0.683	1.283	1.322	2.561	2.557	5.028	5.028	10.253	10.019	20.137	20.172	40.339	40.313
9	0.341	0.342	0.609	0.633	1.187	1.209	2.253	2.258	4.511	4.507	9.024	8.981	17.958	18.001
16	0.222	0.238	0.394	0.392	0.718	0.723	1.284	1.344	2.581	2.57	5.982	5.068	10.109	10.175
25	0.178	0.174	0.267	0.309	0.489	0.505	0.88	0.922	1.677	1.651	3.303	3.384	6.494	6.552
36	0.131	0.151	0.206	0.239	0.363	0.383	0.619	0.657	1.429	1.218	2.329	2.398	4.581	4.537
49	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
64	Undefined	Undefined	Undefined	Undefined	0.231	0.251	0.53	0.738	0.984	1.193	1.764	2.356	4.279	4.039
81	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
100	0.056	0.081	0.078	0.114	0.135	0.161	0.449	0.818	0.688	0.826	1.159	1.569	2.253	2.751

Processes/Image Scale	1 / 4	1 / 4 (r)	1 / 2	1 / 2 (r)	1	1 (r)	2	2 (r)	4	4 (r)	8	8 (r)	16	16 (r)
Derivative Resolution	1008x1008	1008x1008	2016x1008	2016x1008	2016x2016	2016x2016	4032x2016	4032x2016	4032x4032	4032x4032	8064x4032	8064x4032	8064x8064	8064x8064
49	0.073	0.104	0.128	0.142	0.232	0.272	0.412	0.402	0.722	0.791	1.456	1.457	2.828	2.821
64	0.096	0.143	0.151	0.193	0.271	0.355	0.537	0.549	0.806	1.096	1.529	1.926	2.891	2.976
81	0.111	0.175	0.158	0.194	0.202	0.324	0.382	0.473	0.689	0.909	1.229	1.551	2.283	3.704

Πίνακες 1.1 και 1.2: Χρονομετρήσεις συνέλιξης ασπρόμαυρης εικόνας σε ανάλυση 1920x2520 (1.1) και 2016x2016 (1.2) σε δευτερόλεπτα.

Processes/Image Scale	1 / 4	1 / 4 (r)	1 / 2	1 / 2 (r)	1	1 (r)	2	2 (r)	4	4 (r)	8	8 (r)	16	16 (r)
Derivative Resolution	960x1260	960x1260	1920x1260	1920x1260	1920x2520	1920x2520	3840x2520	3840x2521	3840x5040	3840x5040	7680x5040	7680x5040	7680x10080	7680x10080
1	8.224	9.277	14.226	14.223	29.304	29.296	62.698	58.362	142.724	153.041	370.657	366.161	477.116	476.963
4	1.944	1.943	3.883	3.92	7.772	7.782	27.679	28.304	39.561	38.136	160.014	173.336	255.351	256.366
9	0.889	0.901	1.749	1.795	3.501	3.474	6.948	7.024	21.202	21.478	53.321	53.867	106.371	107.325
16	0.569	0.532	1.047	1.085	2.009	2.038	3.931	3.991	10.411	10.489	23.59	26.933	54.613	55.172
25	0.338	0.402	0.674	0.763	1.303	1.034	2.561	2.598	5.037	5.084	12.648	10.001	32.966	33.616
36	0.252	0.313	0.475	0.542	0.897	0.938	1.807	1.857	3.494	3.543	7.231	6.969	13.881	13.931
49	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
64	Undefined	Undefined	Undefined	Undefined	0.714	0.968	1.412	1.738	2.785	3.213	5.336	5.94	12.517	13.948
81	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
100	0.308	0.378	0.398	0.481	0.664	0.767	0.944	1.219	1.751	2.12	3.386	3.864	6.912	7.791

Processes/Image Scale	1 / 4	1 / 4 (r)	1 / 2	1 / 2 (r)	1	1 (r)	2	2 (r)	4	4 (r)	8	8 (r)	16	16 (r)
Derivative Resolution	1008x1008	1008x1008	2016x1008	2016x1008	2016x2016	2016x2016	4032x2016	4032x2016	4032x4032	4032x4032	8064x4032	8064x4032	8064x8064	8064x8064
49	0.161	0.233	0.298	0.362	0.586	0.662	1.162	1.183	2.219	2.328	4.329	4.421	8.586	8.598
64	0.265	0.297	0.345	0.519	0.745	0.88	1.182	1.503	2.288	3.017	4.346	5.099	8.353	9.889
81	0.145	0.233	0.279	0.378	0.597	0.824	0.984	1.331	1.821	2.311	3.357	4.337	6.525	7.809

Πίνακες 1.3 και 1.4: Χρονομετρήσεις συνέλιξης έγχρωμης εικόνας σε ανάλυση 1920x2520 (1.3) και 2016x2016 (1.4) σε δευτερόλεπτα.