

1024x1024 int	Multiply time	Total time	Ускорение	Эффективность
1	15.470	16.000	1	1
2	9.366	10.708	1.65	0.825
4	4.671	6.445	3.31	0.828
8	2.336	3.685	6.62	0.828
16	1.176	2.564	13.15	0.822
32	0.600	2.213	25.78	0.806
64	0.314	2.609	49.27	0.770
128	0.171	2.292	90.47	0.707
256	0.094	2.344	164.57	0.643
512	0.056	3.537	276.25	0.540
1024	0.044	2.873	351.59	0.343

1024x1024 float	Multiply time	Total time	Ускорение	Эффективность
1	16.000	16.540	1	1
2	10.573	12.091	1.51	0.755
4	5.291	6.791	3.02	0.755
8	2.654	4.007	6.03	0.754
16	1.335	2.730	11.99	0.749
32	0.681	2.129	23.46	0.734
64	0.354	2.430	45.20	0.706
128	0.192	2.144	83.33	0.651
256	0.102	2.771	156.86	0.613
512	0.060	2.197	266.67	0.521
1024	0.047	4.075	340.43	0.332

1024x1024 double	Multiply time	Total time	Ускорение	Эффективность
1	18.740	19.310	1	1
2	12.644	14.128	1.48	0.740
4	6.336	7.775	2.96	0.740
8	3.176	4.616	5.90	0.738
16	1.602	3.139	11.70	0.731
32	0.824	2.376	22.74	0.711
64	0.437	2.763	42.88	0.670
128	0.241	2.220	77.76	0.608
256	0.141	3.186	132.91	0.519
512	0.081	3.295	231.36	0.452
1024	0.064	2.708	292.81	0.286

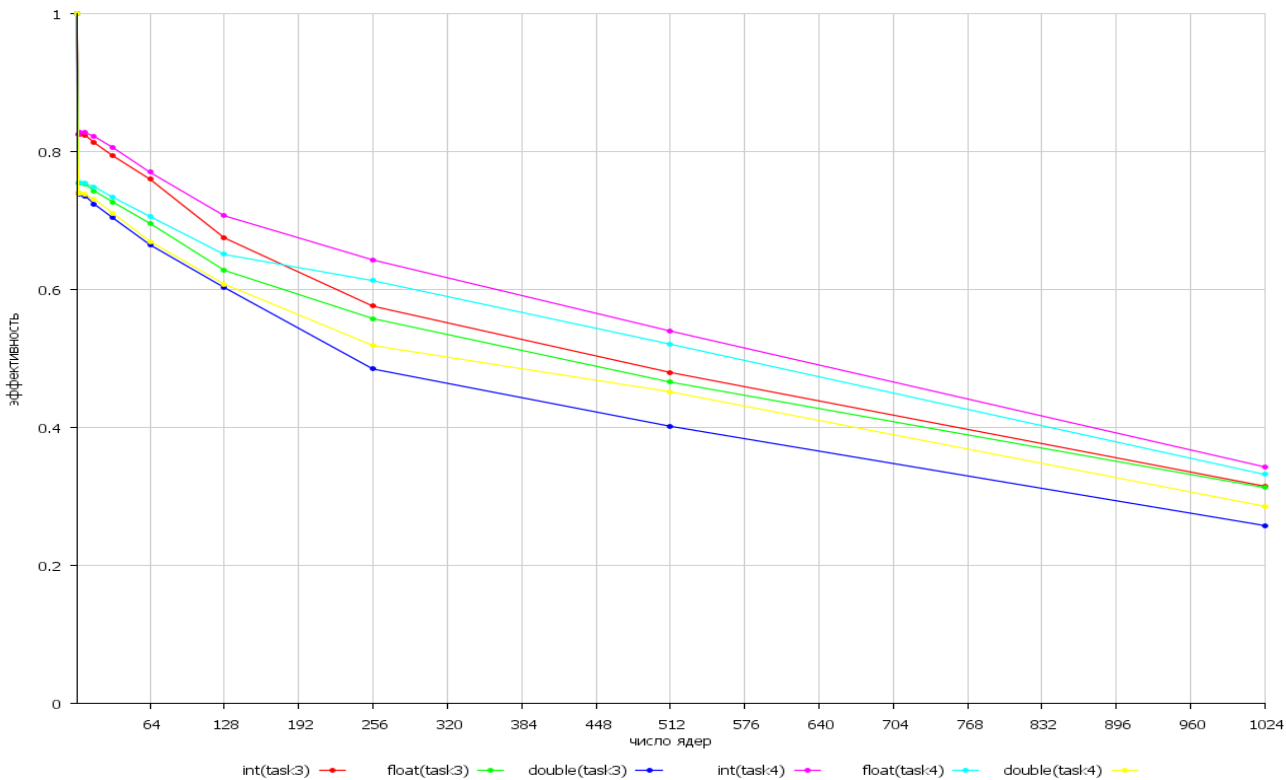
2048x2048 int	Multiply time	Total time	Ускорение	Эффективность
1	136.020	138.220	1	1
2	76.128	81.442	1.79	0.895
4	38.065	43.301	3.57	0.893
8	19.054	24.263	7.14	0.893
16	9.539	14.784	14.26	0.891
32	4.807	10.568	28.30	0.884
64	2.453	8.512	55.45	0.866
128	1.270	7.206	107.10	0.837
256	0.674	7.780	201.81	0.788
512	0.353	6.891	385.33	0.753
1024	0.213	6.979	638.59	0.624

2048x2048 float	Multiply time	Total time	Ускорение	Эффективность
1	137.620	139.790	1	1
2	87.318	92.627	1.58	0.790
4	43.677	49.551	3.15	0.788
8	21.846	27.229	6.30	0.788
16	10.953	16.192	12.56	0.785
32	5.516	10.822	24.95	0.780
64	2.805	8.639	49.06	0.767
128	1.453	7.275	94.71	0.740
256	0.768	7.187	179.19	0.700
512	0.401	7.005	343.19	0.670
1024	0.236	6.683	583.14	0.569

2048x2048 double	Multiply time	Total time	Ускорение	Эффективность
1	191.200	193.600	1	1
2	107.729	113.397	1.77	0.885
4	53.916	59.656	3.55	0.888
8	27.011	32.942	7.08	0.885
16	13.553	19.116	14.11	0.882
32	6.853	12.544	27.90	0.872
64	3.536	9.873	54.07	0.845
128	1.870	8.189	102.25	0.799
256	1.016	7.598	188.19	0.735
512	0.528	7.339	362.12	0.707
1024	0.325	7.632	588.31	0.575

Сравнение эффективности (задания 3, 4)

1024x1024



2048x2048

