Half width=7
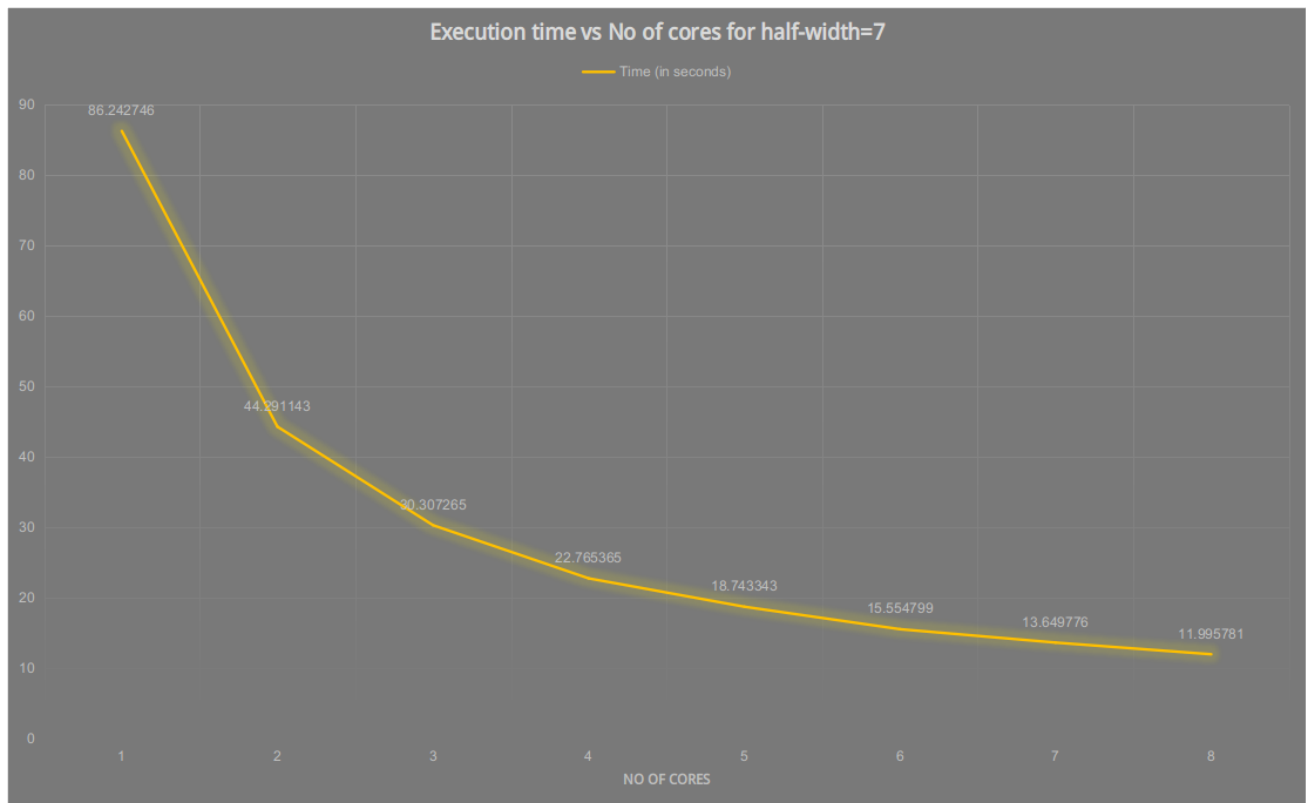
Matrix size = 512 x 512.

Sequential time = 85.276945 s

No of cores	Time (in seconds)	Speedup	Efficiency
1	86.242746	0.988801377	0.988801377
2	44.291143	1.925372438	0.962686219
3	30.307265	2.813746011	0.937915337
4	22.765365	3.745907258	0.936476815
5	18.743343	4.549719118	0.909943824
6	15.554799	5.482356023	0.913726004
7	13.649776	6.247497834	0.892499691
8	11.995781	7.108911541	0.888613943

Execution time vs No of cores for half-width=7

Speedup and Efficiency vs No of cores for half-width=7

Speedup ——— Efficiency

NO OF CORES	Speedup	Efficiency
1	0.988801377	0.988801377
2	1.925372438	0.962686219
3	2.813746011	0.937915337
4	3.745907258	0.936476815
5	4.549719118	0.909943824
6	5.482356023	0.913726004
7	6.247497834	0.892499691
8	7.108911541	0.888613943