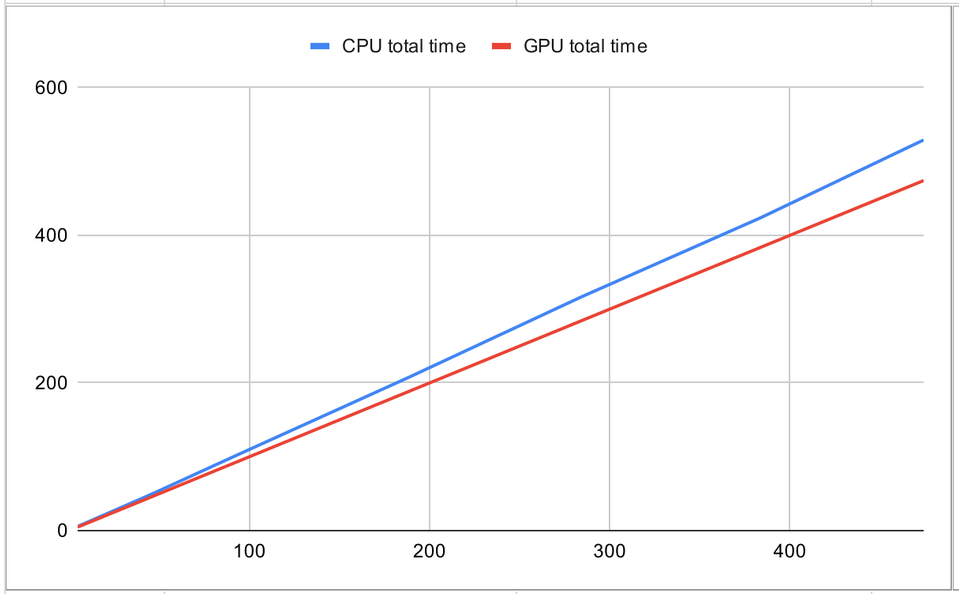
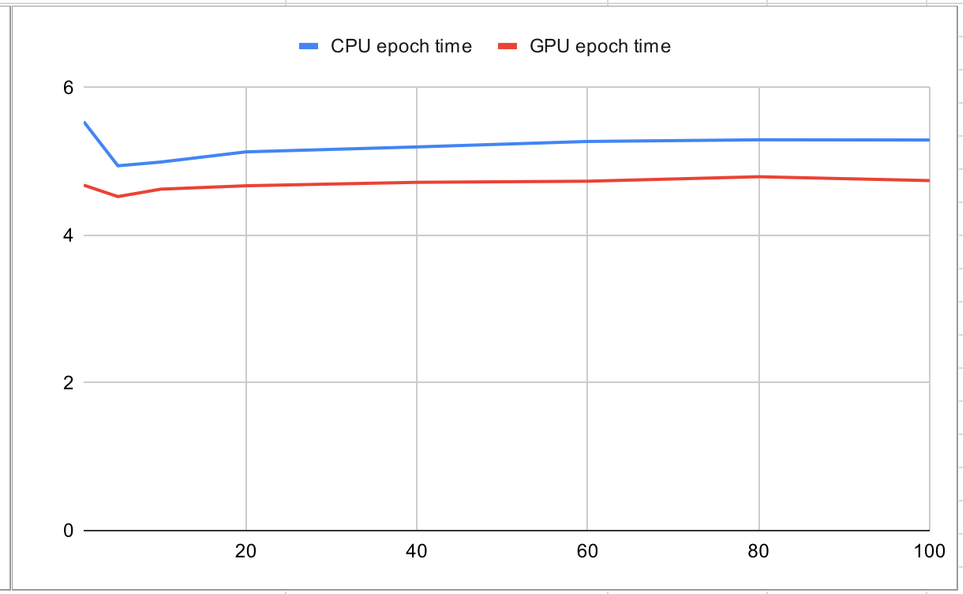
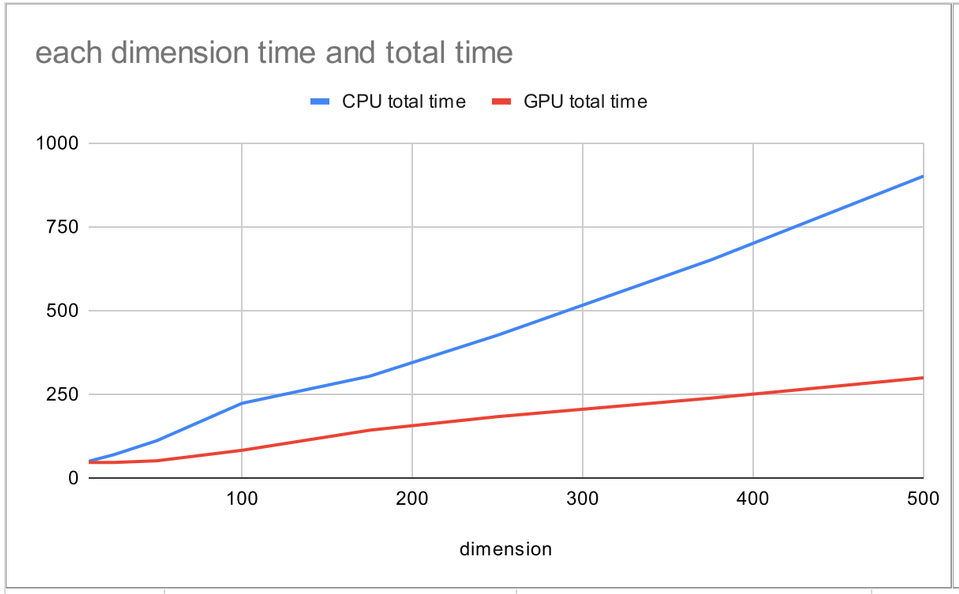
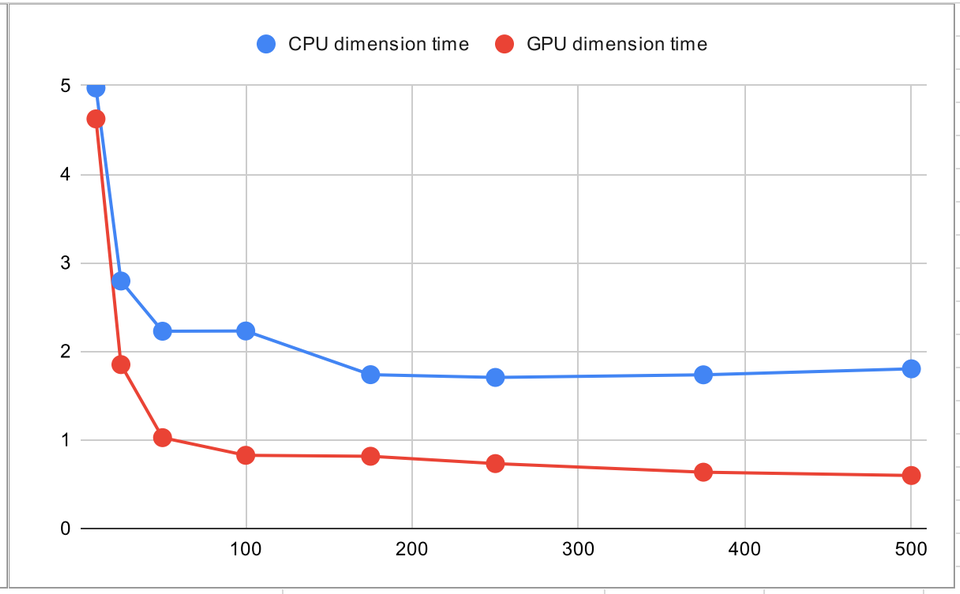
dimension of 10							
epoch	CPU total time	GPU total time	CPU epoch time	GPU epoch time			
1	5.539649963	4.679533958	5.539649963	4.679533958			
5	24.70919704	22.62373304	4.941839409	4.524746609			
10	49.92615986	46.25238299	4.992615986	4.625238299			
20	102.6144671	93.42676497	5.130723357	4.671338248			
40	207.9074638	188.7244799	5.197686595	4.718111998			
60	316.296082	283.98159	5.271601367	4.733026501			
80	423.5157969	383.491365	5.293947461	4.793642062			
100	529.155057	474.14272	5.29155057	4.7414272			





10 epochs							
dimension	CPU total time	GPU total time	CPU dimension time	GPU dimension time			
10	49.73760009	46.24271202	4.973760009	4.624271202			
25	69.8466351	46.25402308	2.793865404	1.850160923			
50	111.3425179	51.26309109	2.226850357	1.025261822			
100	222.965008	82.58049011	2.22965008	0.8258049011			
175	303.8671269	142.643492	1.736383583	0.8151056685			
250	426.31212	183.104054	1.70524848	0.7324162159			
375	650.550854	238.221298	1.734802277	0.6352567946			
500	901.233521	299.0073981	1.802467042	0.5980147963			


each dimension time and total time
CPU total time
GPU total time
1000
750
500
250
0
100
200
300
400
500
dimension


CPU dimension time
GPU dimension time
5
4
3
2
1
0
100
200
300
400
500