

n	Float Error			Float Time			32-bit Signed Integer Time	
	C vs vecLib	C vs asm	vecLib vs asm	C	vecLib	asm	C	asm
10	7.81E-04	8.79E-04	1.07E-03	3μs	31μs	2μs	3μs	2μs
100	3.44E-02	3.59E-02	1.41E-02	8μs	2μs	2μs	10μs	2μs
500	2.63E-01	2.00E-01	1.63E-01	33μs	3μs	4μs	39μs	4μs
1k	9.00E-01	8.00E-01	3.50E-01	58μs	4μs	5μs	80μs	5μs
2k	2.95E+00	2.75E+00	1.30E+00	116μs	6μs	9μs	135μs	9μs
4k	1.11E+01	1.18E+01	3.90E+00	236μs	9μs	16μs	269μs	17μs
8k	2.80E+01	2.70E+01	6.20E+00	508μs	17μs	30μs	556μs	32μs
16k	5.12E+01	4.48E+01	2.32E+01	1ms	36μs	65μs	1ms	66μs
32k	1.50E+02	1.62E+02	8.00E+01	2ms	86μs	139μs	2ms	150μs
64k	3.95E+02	4.14E+02	1.34E+02	4ms	264μs	379μs	5ms	366μs
128k	2.65E+03	2.63E+03	4.77E+02	9ms	660μs	952μs	10ms	839μs
256k	7.76E+03	7.99E+03	1.13E+03	19ms	1ms	2ms	21ms	2ms
512k	6.65E+04	6.60E+04	4.85E+03	39ms	3ms	4ms	46ms	4ms