Run times in sec	onds. program ve	rsion in column A	and optimization I	evel in row.
	no optimization	-O	-O2fast-math	
original	436.83	234.85	0.934	
change 1	191.64	171.15	0.938	
change 2	121.27	109.5	0.002	
change 2 + mp	27.92	22.15	0.001	
Speed up of eac	h version relative	to the original		
original	1	1	1	
change 1	2.279430182	1.372188139	0.9957356077	
change 2 + mp	3.602127484	2.144748858	467	
change 2 + mp	15.64577364	10.6027088	934	
	4.343481375	4.943566591		