② Get simulated D (b) rubric

by
$$D = \sqrt{\frac{|r(t+\tau) - r(t)|^2}{2d\tau}}$$

from simulation

Input a from q. given (N, ξ_c, ξ_t, ξ_k

③ if $N = 50$ → $D = 4.1548 \times 10^{-13}$
$$N = \pm 1.8852 \times 10^{-14}$$

we just substitute the N obtained above ③

④
as N	10	100	1000
uncertainty	1.9166×10^{-15}	1.3308×10^{-15}	1.3308×10^{-16}
			3.85×10^{-16}

for the same d_i

as N increase ∴ uncertainty increase

Additional sources of error : measurement & systematic
instrumentation. (bulk flow)