

$N \approx 250-300$ for simulations?

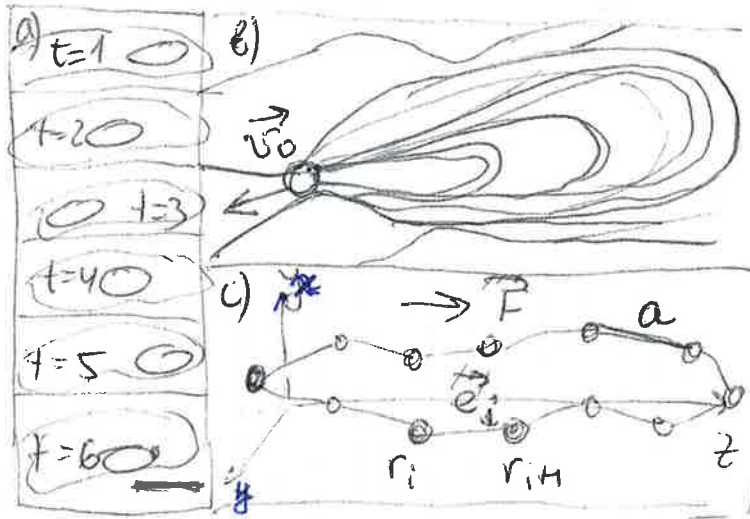


Fig 1

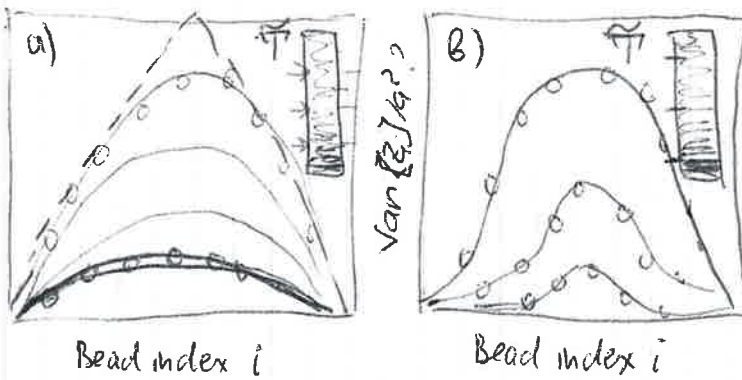


Fig 2

$T = 1, 10, 20, 50, \infty$

$\langle z_i \rangle / a$

$\text{var} \{ z_i / a \}$

Bead index i

Bead index i

or $2 \cdot \text{var} \{ z_i \}^{1/2} / a$

$\langle z_i \rangle / a$

$\text{var} \{ d_i \}^{1/2} / a$

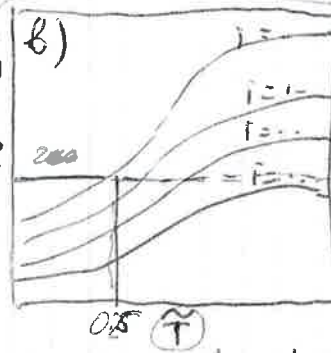
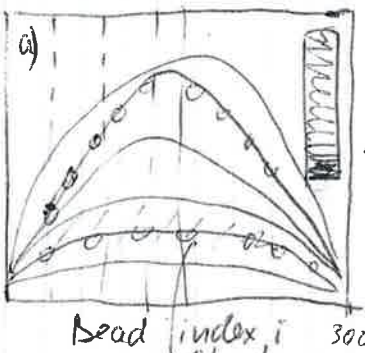


Fig 3

$\sqrt{\text{var} d_z + \text{var} d_y + \text{var} d_x} / a$

$\text{var} d^{1/2} / a$

Shade same color, but reduced transparency
+ maybe 3 curves, not 4

$$\langle d^2 \rangle - \langle d \rangle^2 = \langle d^2 \rangle$$

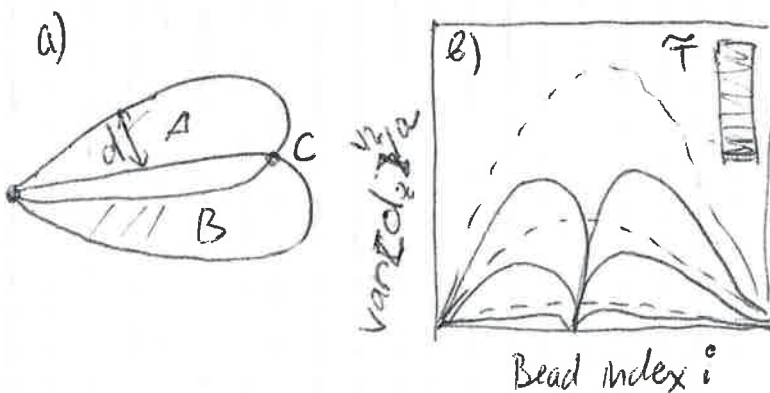


Fig 4

a)

b)

Bead index i