

$$\bar{a} = \bar{a}(t)$$

$$[t_1, t_2]$$

$$\int_{t_1}^{t_2} \bar{a}(t) dt \rightarrow \lim_{\Delta t_i \rightarrow 0} \sum_i \bar{a}(t_i) \Delta t_i$$

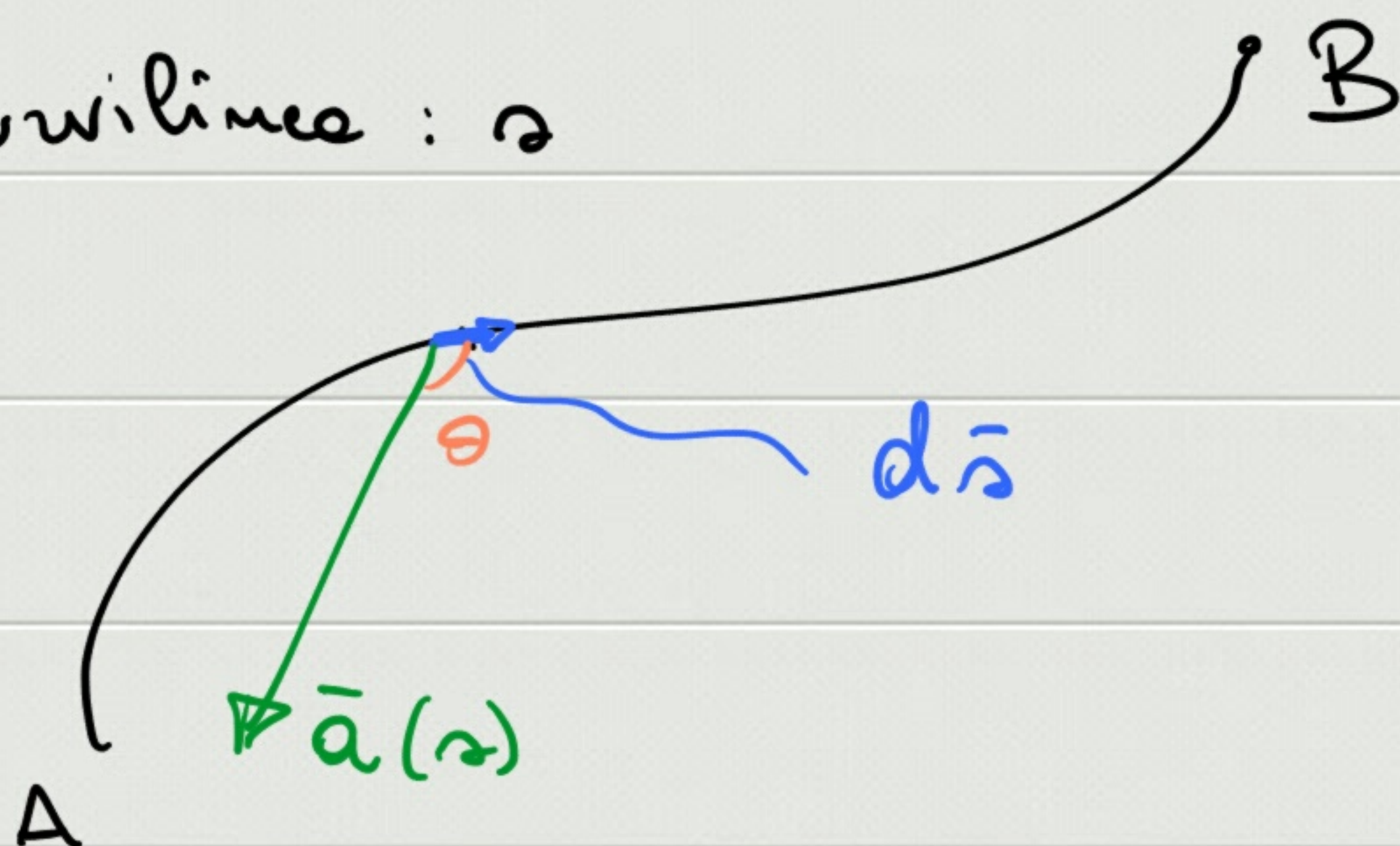
$$\bar{A}$$

$$\bar{a} = a_x \bar{u}_x + a_y \bar{u}_y + a_z \bar{u}_z$$

$$\bar{A} = \int_{t_1}^{t_2} \bar{a}(t) dt = \left(\int_{t_1}^{t_2} a_x(t) dt \right) \bar{u}_x + \left(\int_{t_1}^{t_2} a_y(t) dt \right) \bar{u}_y + \dots$$

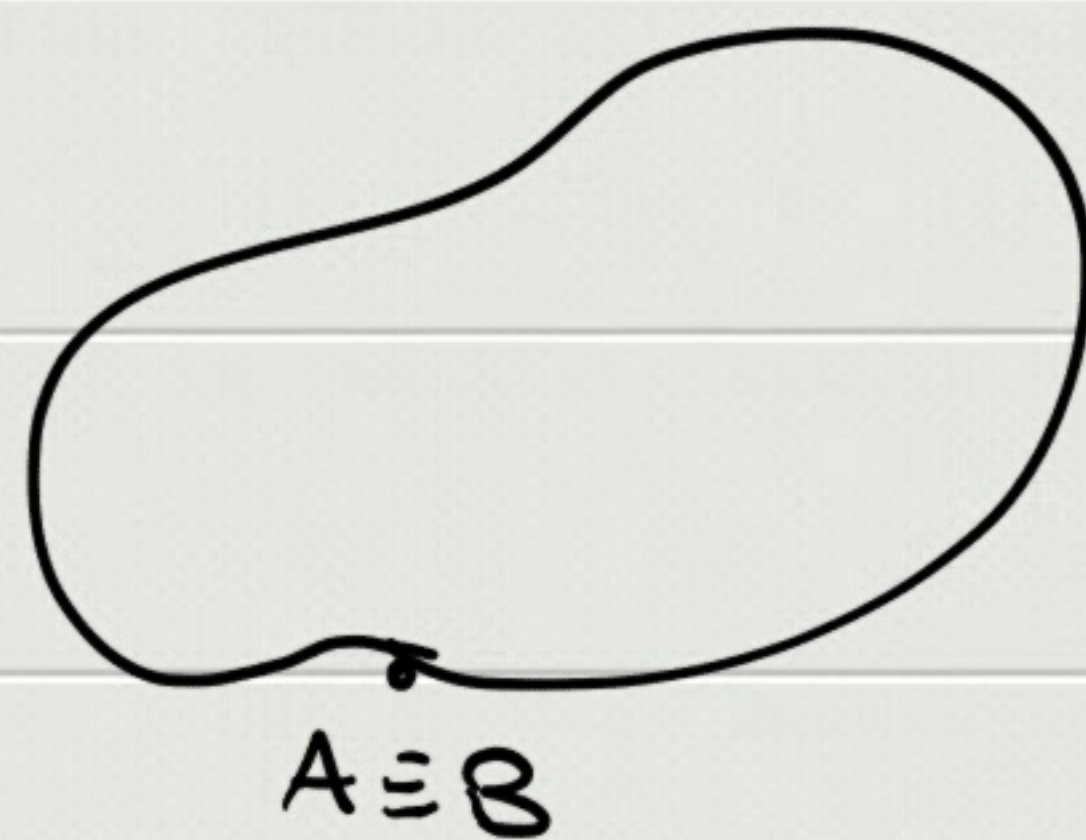
$$= A_x \bar{u}_x + A_y \bar{u}_y + A_z \bar{u}_z$$

Coordinate curvilinee: s



$$\vec{a}(s) d\vec{s} = \underline{a(s) ds} \underline{\cos \Theta} = a_T(s) ds$$

$$\int_A^B \vec{a}(s) d\vec{s} = \int_{AB} \rightarrow \text{integrale di linea}$$



$$\oint \vec{a}(s) d\vec{s} = \int_C \rightarrow \text{circolazione}$$