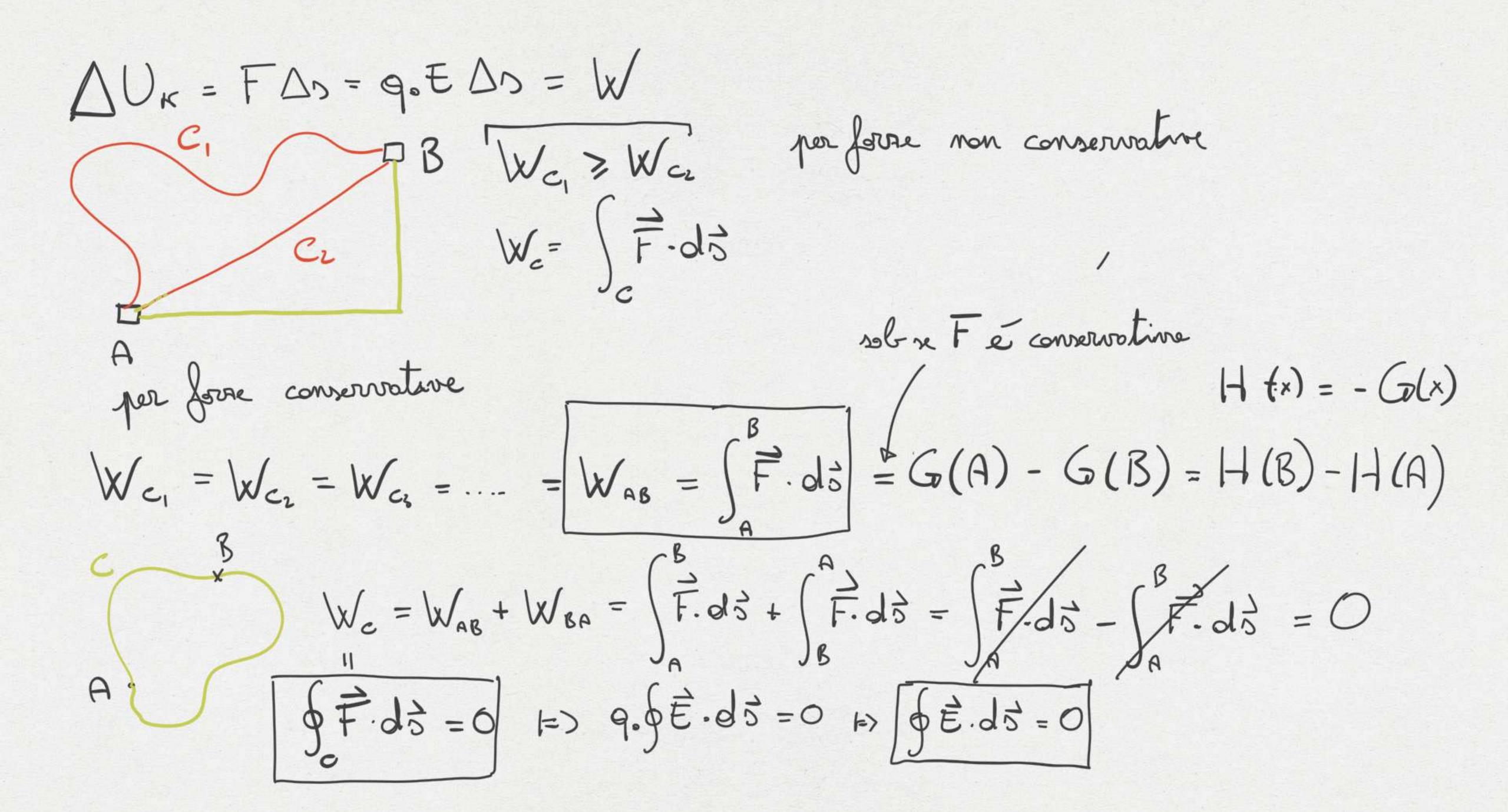
$$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}(0) = (x_0, y_0, z_0)$$

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$$\int_{A}^{E} \cdot d\vec{s} = G(A) - G(B)$$

$$\int_{A}^{B} \cdot d\vec{s} = V(A) - V(B) = -\left(V(B) - V(A)\right), V(\vec{z}) \text{ is deta yeternole}$$

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$$\int_{A}^{B} \cdot d\vec{s} = V(A) - V(B) = -\left(V(B) - V(A)\right) = -\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right$$

$$PERCHE??$$

$$\Delta U_{e} = 9.0 \text{ AV},$$

$$[\Delta U_{e}] = [9.3][\Delta V] \Rightarrow [\Delta V] = \frac{T}{C} = V, [\Delta V] = [\vec{E} \cdot d\vec{s}] = [\vec{E}] m \Rightarrow$$

$$(\vec{E}] = \frac{V}{m} = \frac{N}{C}$$

$$\int_{C_{1}} E(z) dz = \int_{C_{1}} \frac{dz}{4\pi\epsilon_{0}} = \int_{A}^{B} \frac{dz}{4\pi\epsilon_{0}} =$$

$$=\frac{9}{4\pi \epsilon_{0}}\left(-\frac{1}{2}\right)_{A}^{B}=\frac{9}{4\pi \epsilon_{0}}\left(\frac{1}{2A}-\frac{1}{2B}\right)=$$

$$\Delta V_{AB} = -\frac{9}{4\pi \varepsilon_{o}} \left( \frac{1}{2a} - \frac{1}{2b} \right) = \frac{9}{4\pi \varepsilon_{o}} \left( \frac{1}{2b} - \frac{1}{2a} \right)$$

$$V(\hat{z}) = \frac{9}{4\pi\epsilon_0} \frac{1}{2}$$

$$E = \frac{9}{4$$

$$\Delta V_{aB} = \frac{9}{4\pi\epsilon_{o}} \left( \frac{1}{2a} - \frac{1}{2b} \right)$$

$$\vec{E} = \sum_{i} \vec{E}_{i}$$

$$\vec{E} \cdot d\vec{S} = \int_{a} \sum_{i} \vec{E}_{i} \cdot d\vec{S} = \sum_{i} \vec{E}_{i} \cdot d\vec{S}$$

$$V(A) - V(B) = \int_{a}^{B} \vec{E} \cdot d\vec{S} = \frac{9}{4\pi\epsilon_{o}} \left( \frac{1}{2a} - \frac{1}{2B} \right)$$

$$\vec{E} \cdot d\vec{S} = V(A) - V(B) = - \left( V(B) - V(A) \right)$$