1 Vector Field

$$m = \lim_{n \to \infty} \sum_{i=1}^{n} f(x_i, y_i) \, \Delta s_i$$

Definition: Type I

I =

T/cL

Nếu $y = y(x), a \le x \le b$

$$\int_{AB} f(x, y) \, ds = \int_{a}^{b} f(x, y(x)) \sqrt{1 + (y'(x))^{2}} \, dx$$

Hoặc AB

$$\int_{AB} f(x, y, z) ds = \int_{t_1}^{t_2} f(xt, yt, zt) \sqrt{(x't)^2 + y't^2 + z't^2} dt$$

$$\int_{AB} f(x,y,) ds = \int_{t_1}^{t_2} f(xt,yt,zt) \sqrt{(x't)^2 + y't^2 + z't^2} dt$$