```
Work done:
The work done is equal to the product of the force and the distance travelled in the same direction of the force.
Work done = force \times distance in direction of force V = F \times S \times CoS(X)

object \{t=0, V=0\} . Where X is the angle between the direction of force and the first direction direction of motion.
 Force direction motion
                 object \t=t, ke =
                                                                            with time
      V = \frac{dS}{dt} W_{\epsilon} = |E| \times |S| \times CoS(O_{\epsilon})
                                    = |E| \times |X| \times \frac{|E \cdot (U + E + E)|}{|E| |U + E + E|}
      at = arclos ([E.V.]) - where E is force vector and Vt is velocity vector

4) Force vector is constant

velocity vector isn't
      V<sub>t</sub> = L + E t ~ p E = c
     Cos(\alpha) = |F \cdot (u + F + \frac{t}{m})|
|E| |u + E + \frac{t}{m}|
|E|X|X \int_{C} \frac{E \cdot (u + E^{\frac{t}{m}})}{|E||u + E^{\frac{t}{m}}|} dt = ke
```