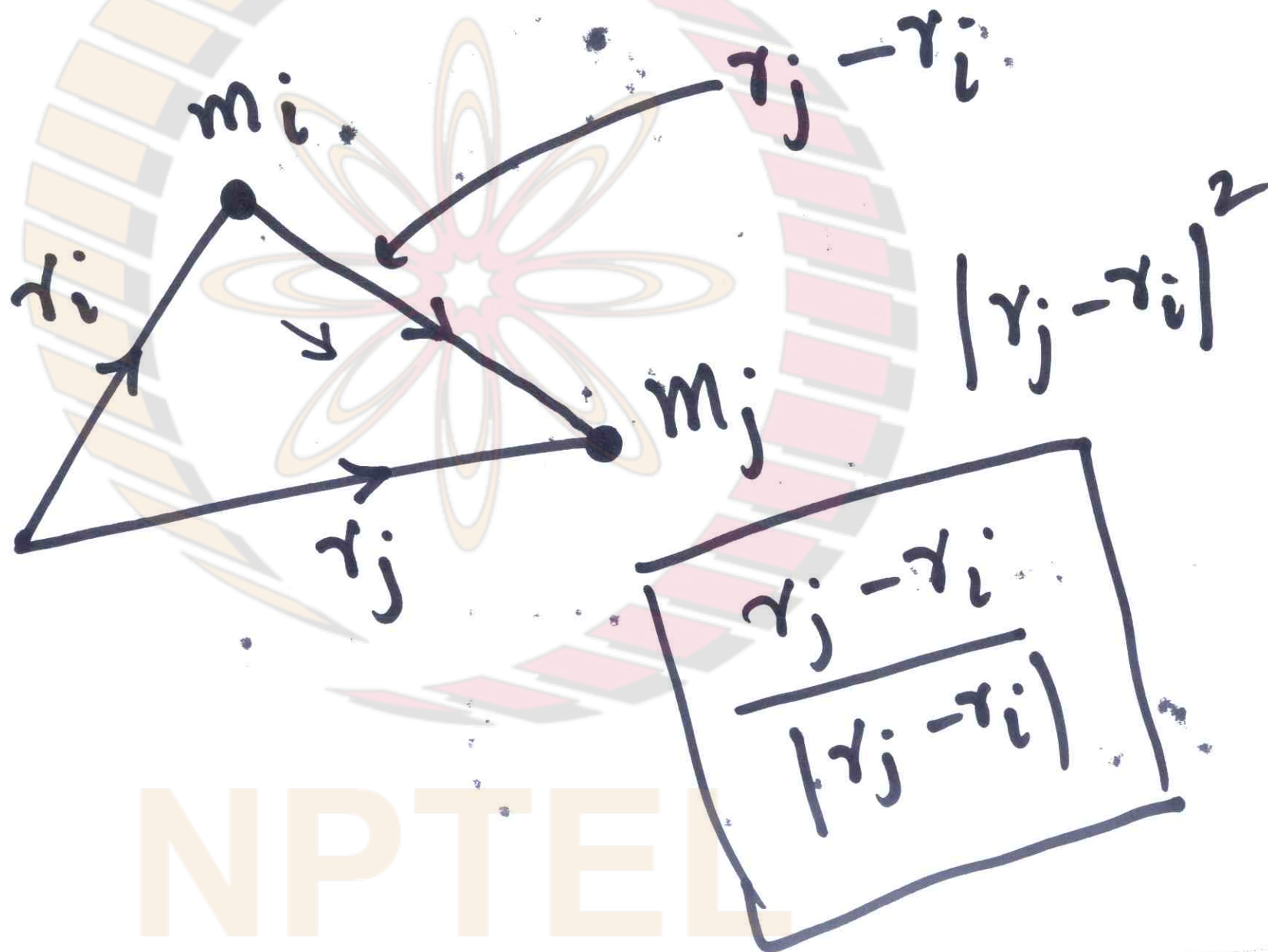
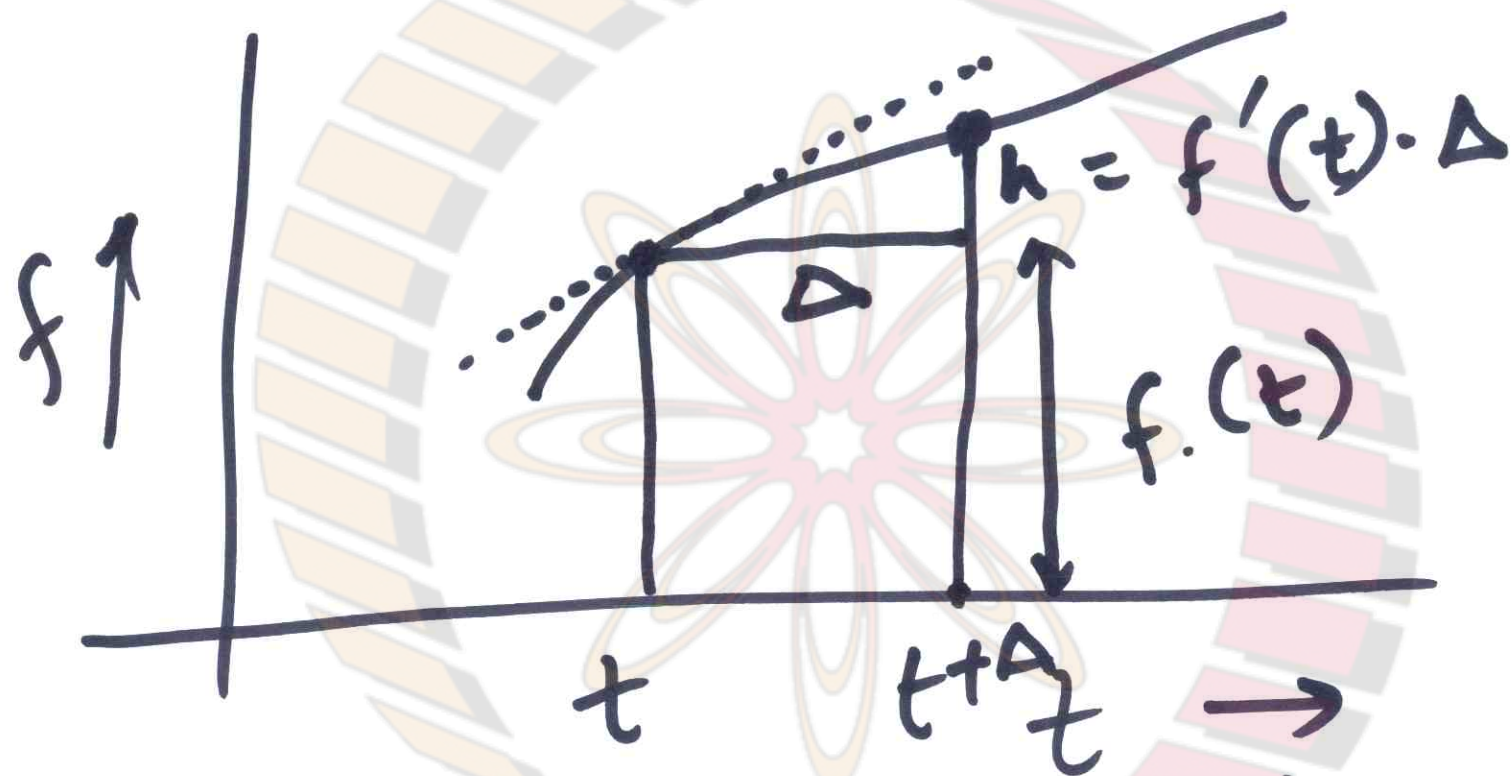
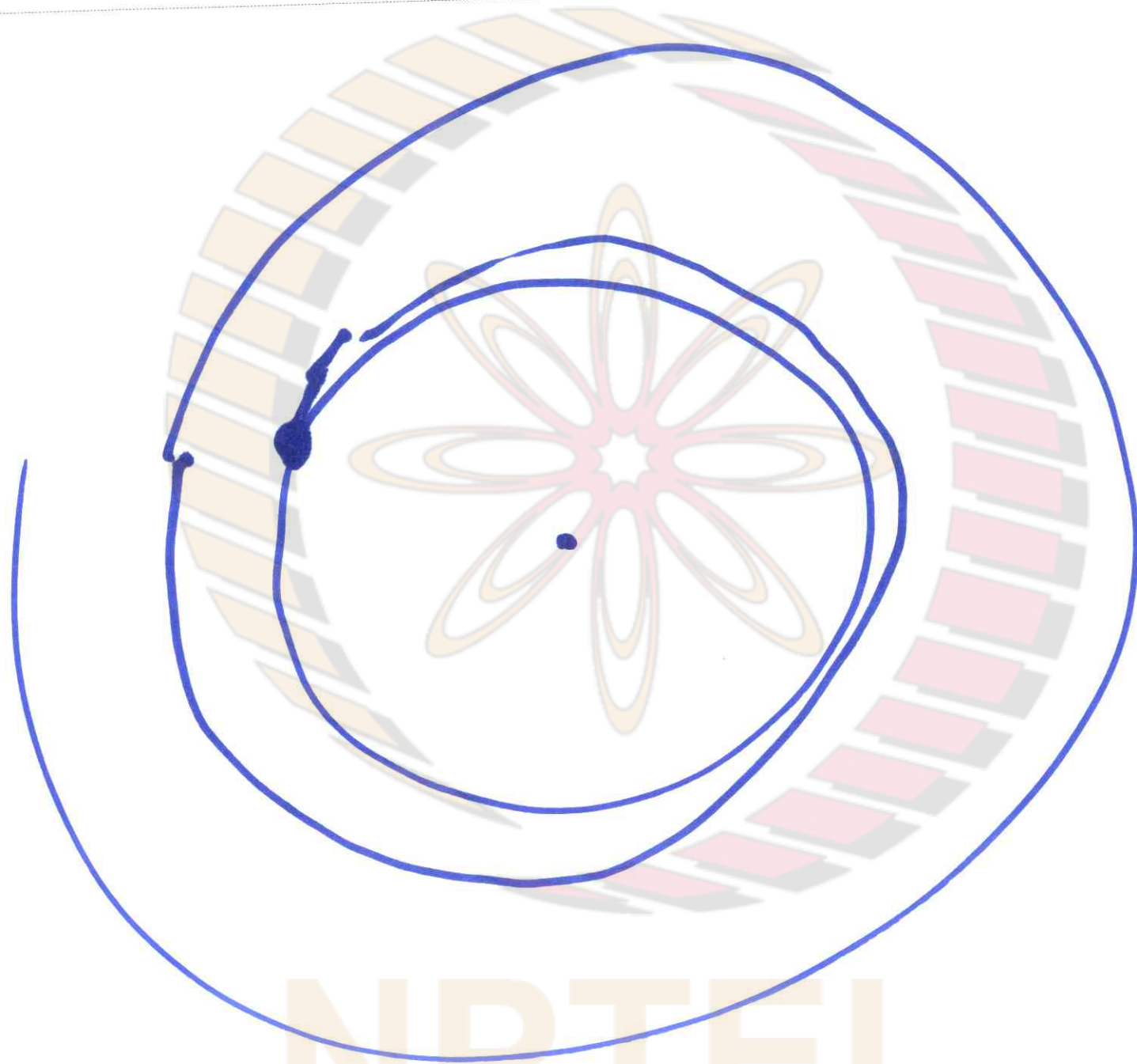






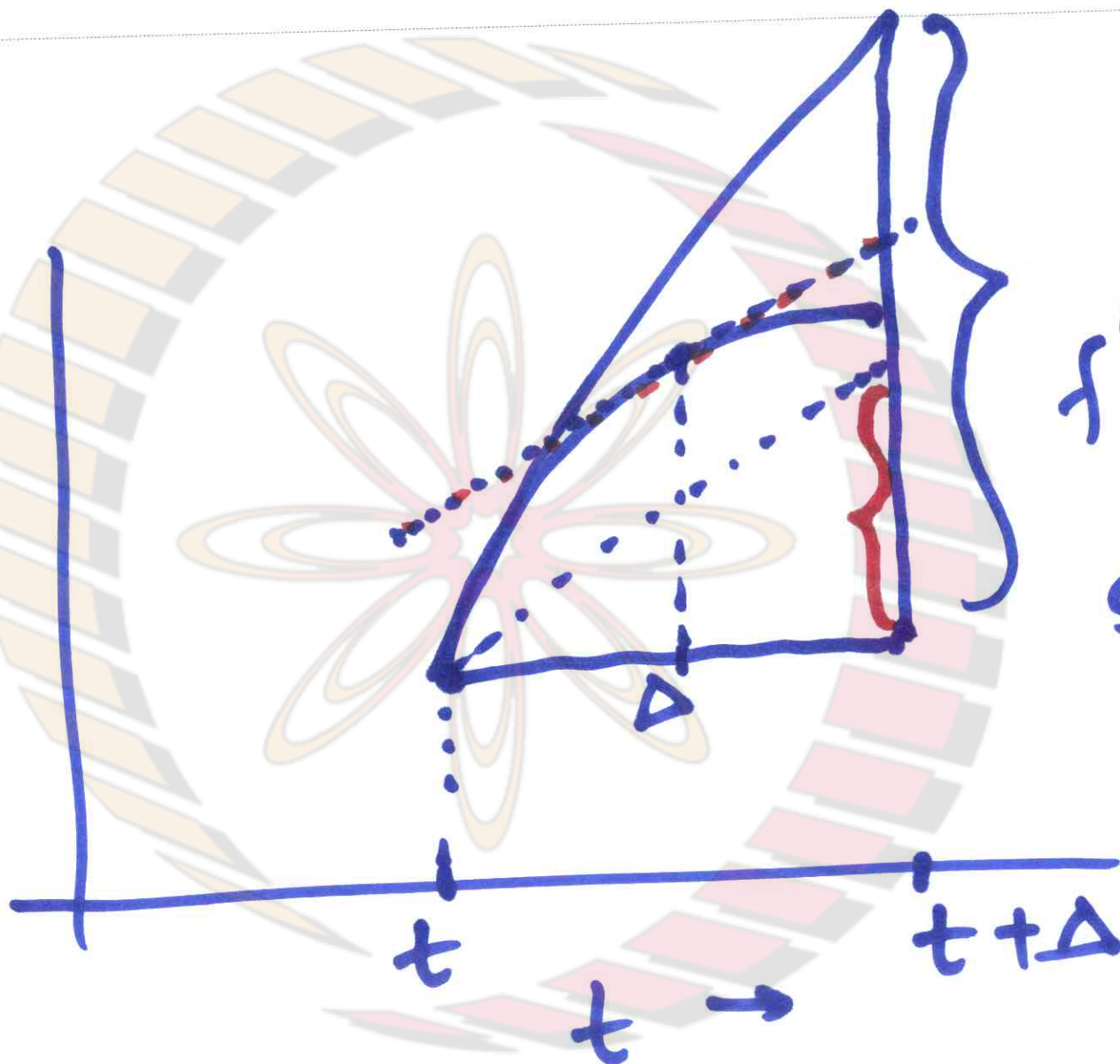
$$f'(t) = \text{slope of tangent at } t$$
$$= \frac{h}{\Delta} \quad h = f'(t) \Delta$$

NPTEL



NPTTEL

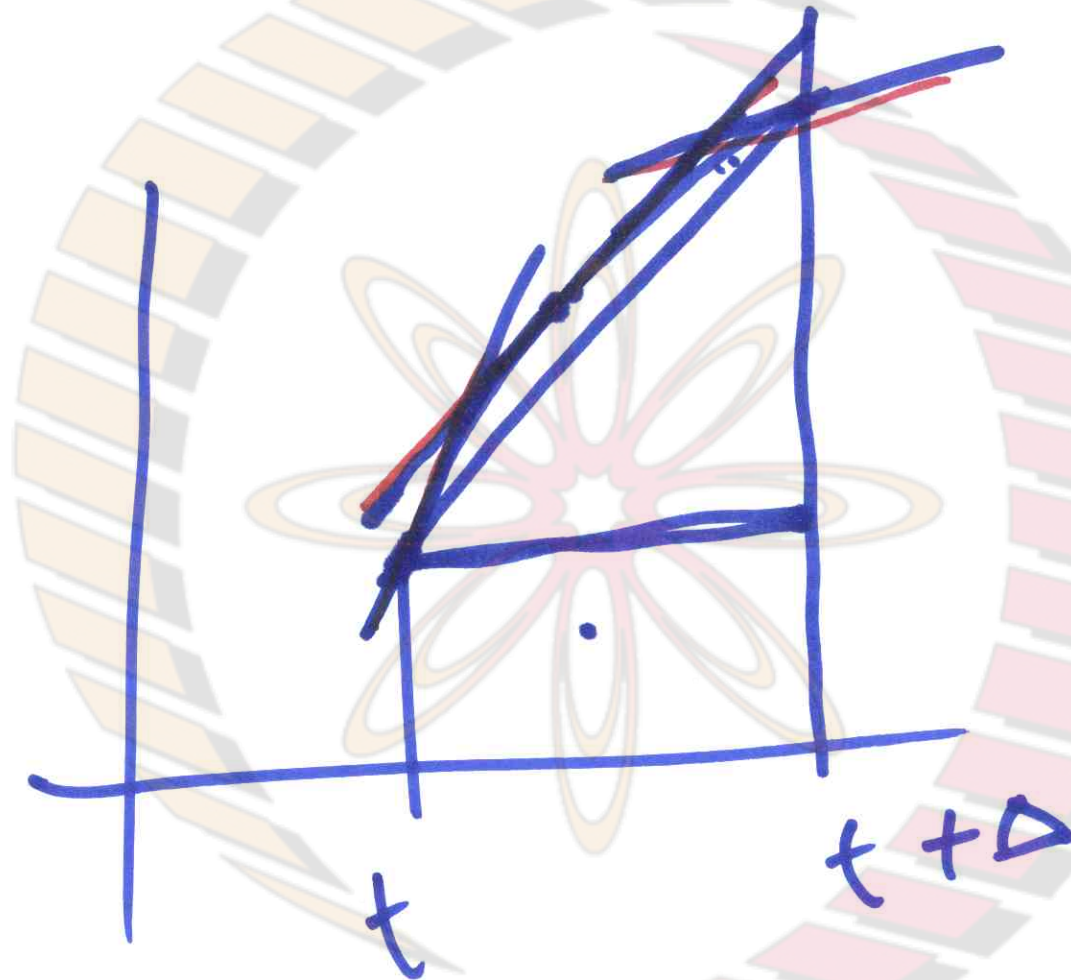
f ↑



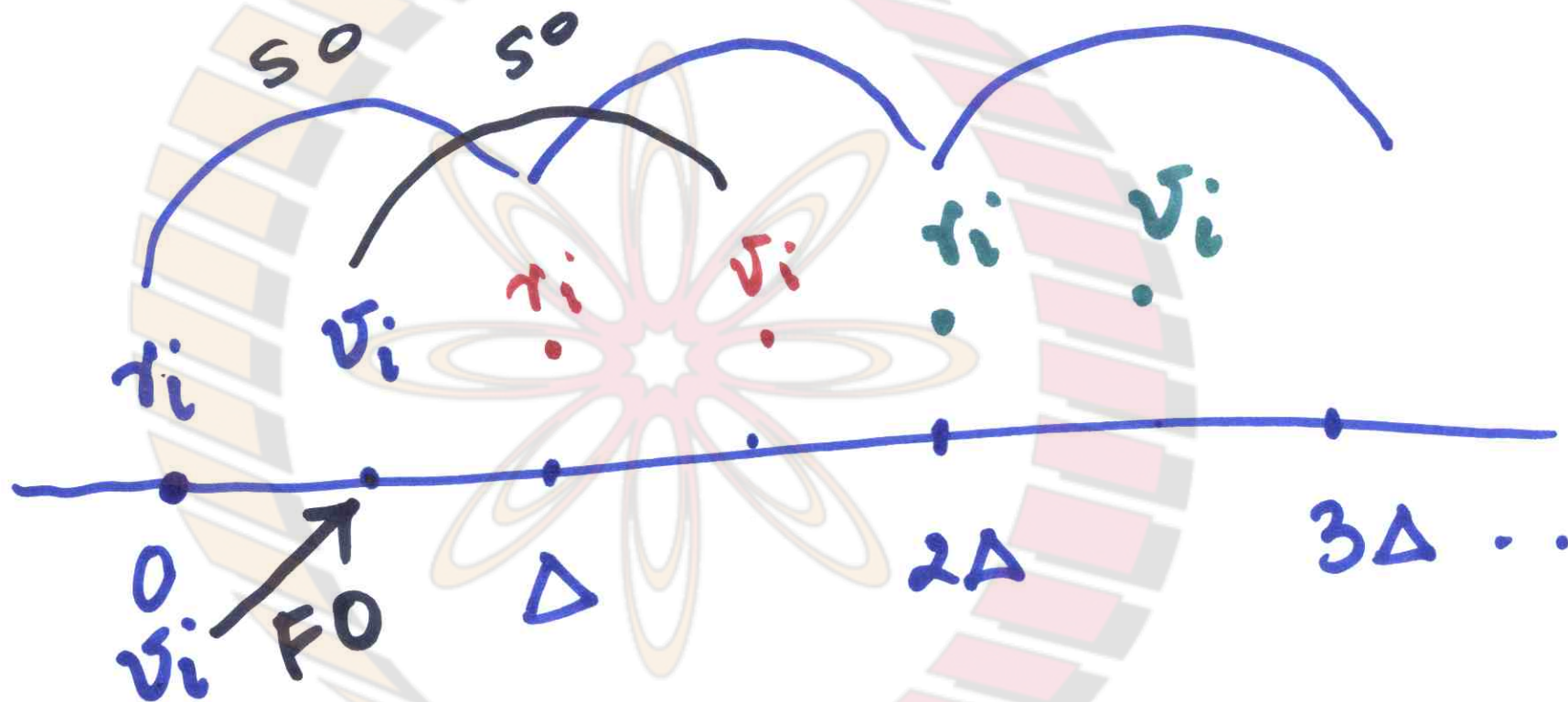
$$f'(t) \cdot \Delta$$

$\parallel$
slope

NPTTEL



NPTTEL



$$v_i = v_i + a_i \Delta$$
 "Leapfrog" "Midpoint"

NPTTEL