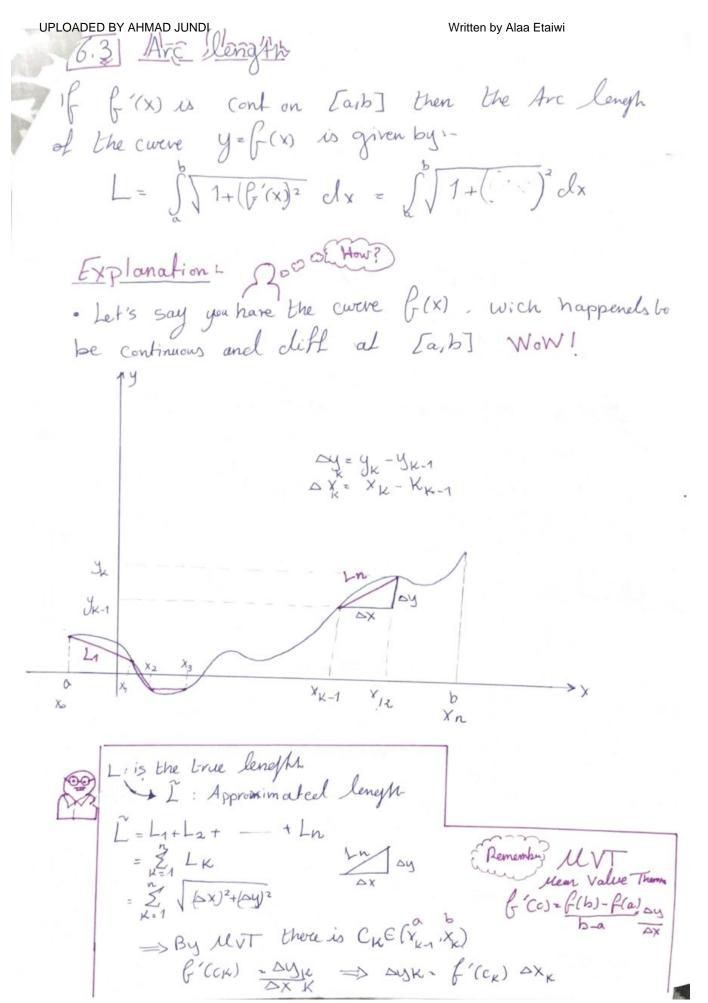


6.2 SSWM method we use this method to find the volume of a solice generated by revolving a given region about: X-axis do c,d whether & V= 27 S(snell) (shell) dy V=27 S(snell) (shell) cl X · the segment's · distance between snell length and . sigment's distance between Darallel to the the axis of Revolution (M) hight that the shell's hight axis of revolution(x) and the axisol is parallel Revolution to the axis of Revolutions



But
$$L = \sum_{K \ge 0}^{\infty} \sqrt{(K)^2 + (f'(C_K) \triangle Y_K)^2}}$$

$$L = \sum_{K \ge 0}^{\infty} \sqrt{1 + f'(C_K)} \triangle X_K$$

$$\Rightarrow \text{ we use } n \text{ numbers of subinterval.}$$

$$as n \text{ gets large}$$

$$L = \lim_{N \to \infty} L$$

$$= \lim_{N \to \infty} \sum_{K \ge 1}^{\infty} \sqrt{1 + f'(C_K)^2} \triangle X_K$$

$$= \int \sqrt{1 + f'(K)^2} dX \text{ Finally } G_{0}^{\infty}$$

$$= \int \sqrt{1 + f'(K)^2} dX \text{ Finally } G_{0}^{\infty}$$

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$$= \int \sqrt{1 + f'(K)^2} dX \text{ F$$

