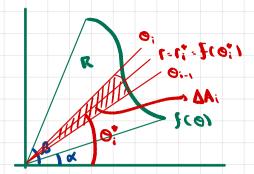
9.3 Area Computations in Polar Coordinates



ce clant the age of legion R

- US USS CA approximation.

Partition: $\alpha = 0 < 0, < \dots < 0_n : \beta$ of $[\alpha, \beta]$ into a subintervals of leasth $\Delta \theta : \frac{\beta - \alpha}{n}$

w,...,1-i [;0,1::0] Washick "ini":0 toske

AA: = are at almost season with realist (" = 5(0") bounded by 0 = 0:.., 0 = 0:, 1(0).

 $A = \sum_{i=1}^{n} \Delta A_i \approx \sum_{i=1}^{n} \frac{1}{2} \Gamma(\theta_i^*)^2 \Delta \theta$ $Remain Sum for \int_{-\frac{1}{2}}^{\frac{1}{2}} \Gamma(\theta) d\theta$

