

A1 dv = -kA where, A=411,2 = N=411,3

volume of draplet from t=0-10 mis Colep-size 0.25 min

 $k = 0.1 \, (mm/min)$ 

Vi+1 = Ui + hP(Vi) h -> step size

 $\frac{dv}{dl} = -k\left(4\pi r^2\right) - \left(3v\right) = r^3$ 

 $= -k \left( \frac{4H}{3V} \left( \frac{3V}{3} \right)^{2/3} \right)$ 

# = Frond + Ball a Fride Took

V(0) = 4433 = 113.0973.

V1 = V0 + hf(v0) V2 = V1 + hf(V1)