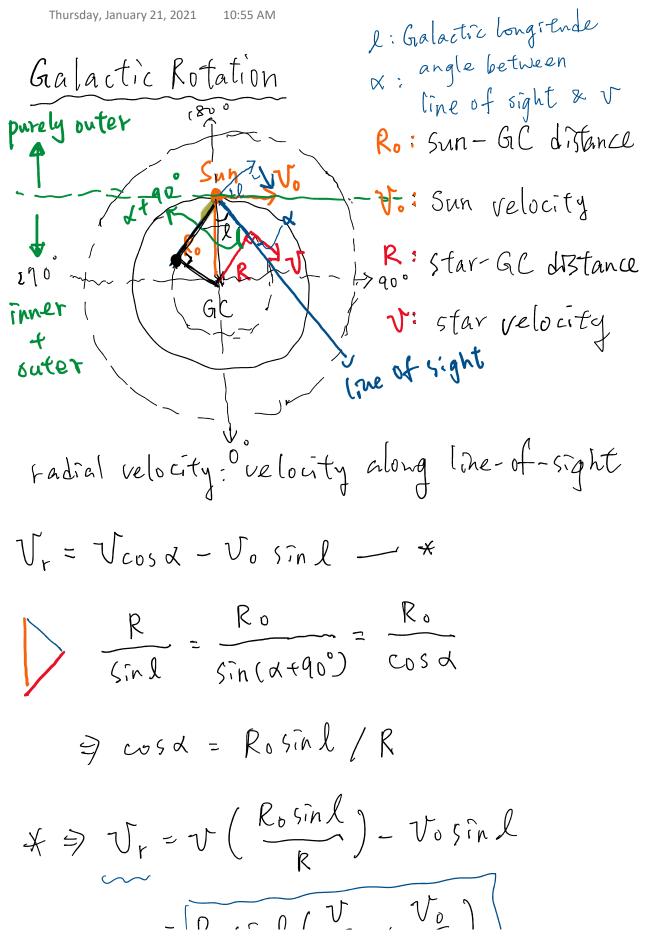
Week 3 Problem Session



$$= R_{o} sinl\left(\frac{V}{R} - \frac{V_{o}}{R_{o}}\right)$$

♦ longitude range
Simit for inner ring: lmax > l > -lmax
where lmax < 90°
outer ring: 360° > l > 0°
$$[270°>l > 90°: purely outer
 $90°>l > 90°: purely outer
 $90°>l > -90°: inner + outer
Given U(R) = const (200 - 220 km/s)
 $Vr = Ro sinl(\frac{V}{R} - \frac{V_o}{R_0})$
 $Vr = V_0 = const$
 $= Ro sinl(\frac{V}{R} - \frac{V_o}{R_0})$
 $V = V_0 = const$
 $= V sinl(\frac{R}{R} - \frac{1}{R_0})$
 $= V sinl(\frac{R}{R} - \frac{1}{R_0})$$$$$

