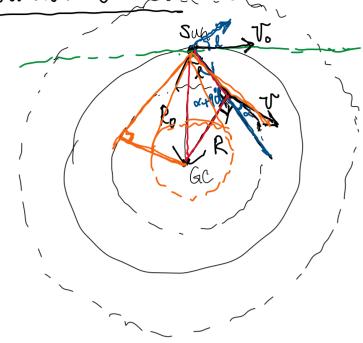
Rotation Curve



& longtitude range

Slimit for inner ring: lmax > l > -lmax where lmax < 90°

outer ring: 360° > l > 0°

should no - I water

Given 
$$V = const$$
 (200-220 kg),

 $V_r = R_0 sinl \left( \frac{V}{R} - \frac{V_0}{R_0} \right)$ 
 $= R_0 sinl \times V \left( \frac{1}{R} - \frac{1}{R_0} \right)$ 
 $= V sinl \left( \frac{R_0}{R} - 1 \right)$ 

(i) Inner ring:  $R < R_0 \Rightarrow \left( \frac{R_0}{R} - 1 \right) > 0$ 

(i)  $R = R_0 sinl \times V \left( \frac{1}{R} - \frac{1}{R_0} \right)$ 
 $= V sinl \left( \frac{R_0}{R} - 1 \right)$ 

(ii) Inner ring:  $R < R_0 \Rightarrow \left( \frac{R_0}{R} - 1 \right) > 0$ 

(iv)  $R = R_0 sinl \times V \left( \frac{1}{R} - \frac{1}{R_0} \right)$ 
 $= V sinl \left( \frac{R_0}{R} - 1 \right)$ 

(ii) Inner ring:  $R < R_0 \Rightarrow sinl < 0$ 
 $R > R_0 \Rightarrow \left( \frac{R_0}{R} - 1 \right) < 0$ 

(iii) Puter ring:  $R > R_0 \Rightarrow \left( \frac{R_0}{R} - 1 \right) < 0$ 

(iv)  $R > R_0 \Rightarrow \left( \frac{R_0}{R} - 1 \right) < 0$ 

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(iv)  $R > R_0 \Rightarrow \left$ 

