

example1

$$i = 135.00^\circ$$

$$v_{\text{sys}} = 5.00 \text{ km/s}$$

$$v_{\text{iws}} = 73.00 \text{ km/s}$$

$$v_0 = 5.00 \text{ km/s}$$

$$v_a = 0.00 \text{ km/s}$$

$$L_0 = 0.70 \text{ arcsec}$$

$$z_{\text{iws}} = 3.50 \text{ arcsec}$$

$$r_{\text{b},f} = 1.00 \text{ arcsec}$$

$$t_{\text{iws}} = 90.91 \text{ yr}$$

$$\rho_a = 0.97 \times 10^{-20} \text{ g cm}^{-3}$$

$$\dot{m}_0 = 0.30 \times 10^{-6} \text{ M}_\odot \text{ yr}^{-1}$$

$$\dot{m}_{a,f} = 0.13 \times 10^{-6} \text{ M}_\odot \text{ yr}^{-1}$$

