Mag limited binary star sample: 420424 systems Furlan+17 fig 21, $\theta$  < 1arcsec: 32.3% of doubles have  $\Delta m > 4$ 1.2 1.0 8.0 90 0.6 -0.4 0.2 0.0

$$\gamma_R = L_2/L_1$$

 $10^{-1}$ 

10<sup>0</sup>