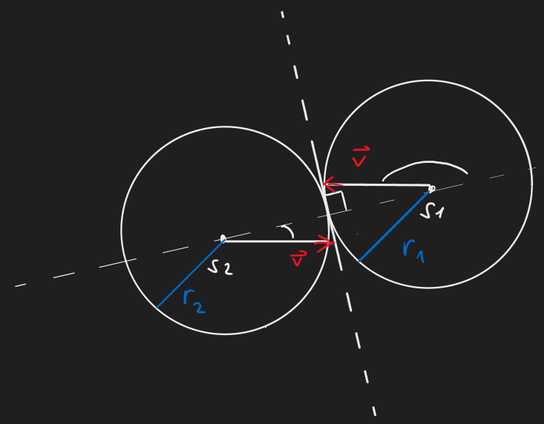

$$a = \frac{(y_1 - y_2)}{(x_1 - x_2)}$$

$$b = x_2 + \frac{r_2}{\sqrt{1 + a^2}}$$

$$\cos\theta = \frac{r_1}{|x_1 - b|}$$

$$tg\alpha = tg\theta \cdot \frac{2m_2}{(m_1 + m_2)} \cdot \left(tg^2\theta + \frac{(m_1 - m_2)}{(m_1 + m_2)} \right)^{-1}$$

θ - kut upada (prije sudara)

α_1, α_2 - kutevi odbijanja (nakon sudara)

$S1(x1, y1)$

$S2(x2, y2)$

$$\alpha_1 = arctg\,\alpha \qquad \alpha_2 = \pi - 2 \cdot \alpha_1$$