

Úloha 95

Podmínky řešitelnosti:

$$\left\{ \left(\alpha < \frac{\pi}{2} \right) \wedge [r \sin \alpha < t_a \leq r(1 + \cos \alpha)] \right\} \vee \left[\left(\alpha = \frac{\pi}{2} \right) \wedge (t_a = r) \right] \vee \left\{ \left(\frac{\pi}{2} < \alpha \right) \wedge [r(1 + \cos \alpha) \leq r \sin \alpha] \right\}$$

Počet řešení:

1, je-li $\left(\alpha \neq \frac{\pi}{2} \right) \wedge [t_a = r(1 + \cos \alpha)]$

2, je-li $\left\{ \left(\alpha < \frac{\pi}{2} \right) \wedge [r \sin \alpha < t_a < r(1 + \cos \alpha)] \right\} \vee \left\{ \left(\frac{\pi}{2} < \alpha \right) \wedge [r(1 + \cos \alpha) < t_a < r \sin \alpha] \right\}$

∞ , je-li $\left(\alpha = \frac{\pi}{2} \right) \wedge (t_a = r)$