

Zadatak 2. Odredi kut između pravaca $2x - y + 6 = 0$ i $x - 2y + 6 = 0$. Pripada li ishodište tom kutu?

Rješenje.

$$p \dots 2x - y + 6 = 0$$

$$q \dots x - 2y + 6 = 0$$

$$y = 2x + 6$$

$$\underline{2y = x + 6}$$

$$y = 2x + 6$$

$$\underline{y = \frac{1}{2}x + 3}$$

$$\operatorname{tg} \varphi = \left| \frac{k_2 - k_1}{1 + k_1 k_2} \right|$$

$$= \left| \frac{\frac{1}{2} + 2}{1 + 2 \cdot \frac{1}{2}} \right| = \left| \frac{\frac{5}{2}}{2} \right| = \frac{5}{4}$$

$$\varphi = 36^\circ 52'$$

Ishodište ne pripada kutu α .

