Robotika: Robot Bosch písařem

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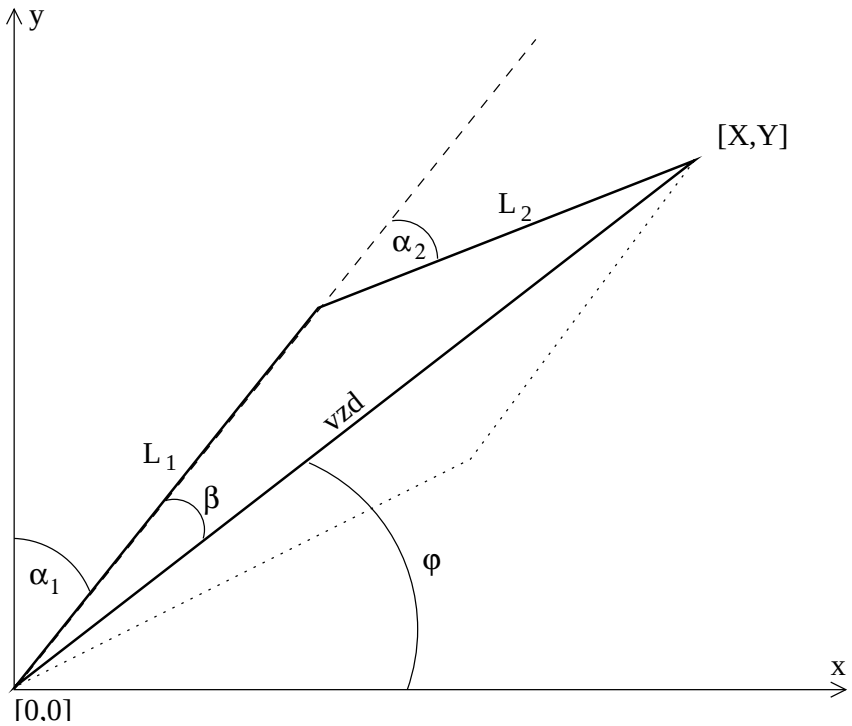
Kapitola 1

Robot Bo

1.2 Inverzní kinematická úloha



$$vzd^2 = L_1^2 + L_2^2 + 2L_1L_2cos\alpha_2,$$

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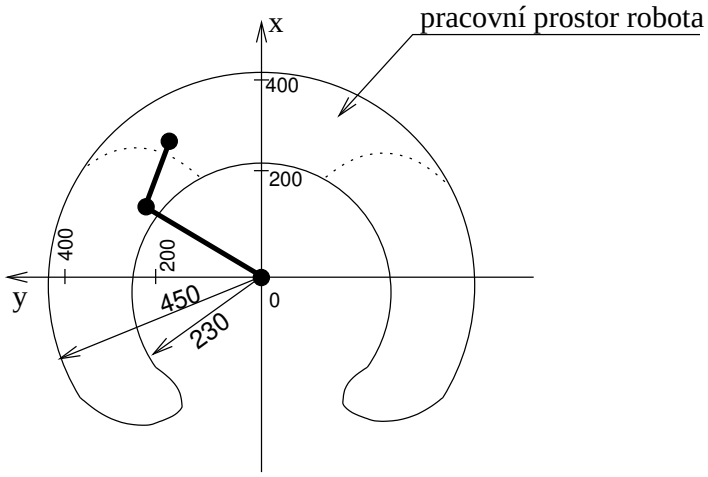
$$\alpha_2 = \pm \arccos\left(\frac{vzd^2 - L_1^2 - L_2^2}{2L_1L_2}\right).$$

$$\beta = \arccos\left(\frac{vzd^2 + L_1^2 - L_2^2}{2.vzd.L_1}\right)$$

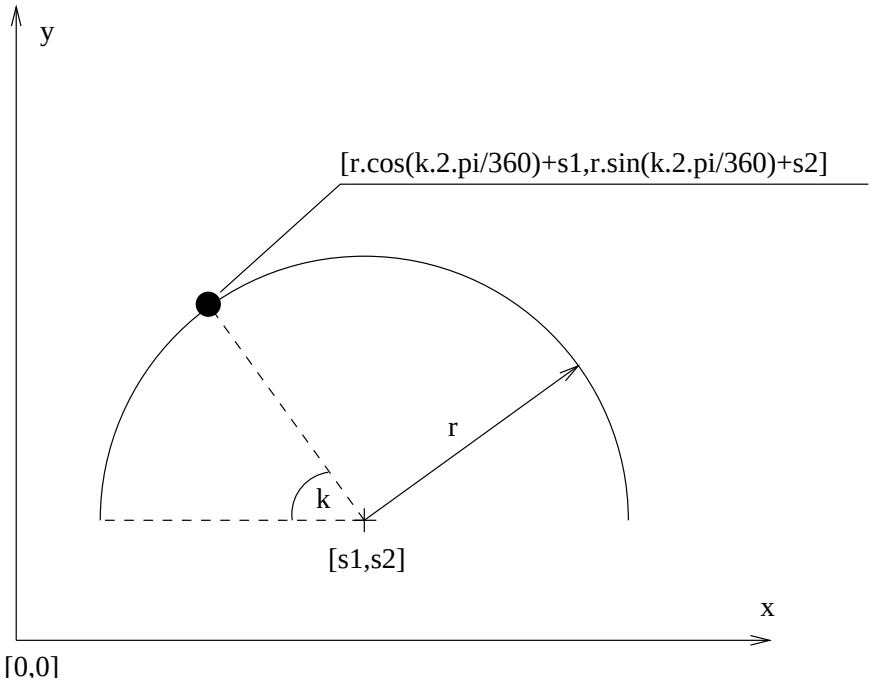
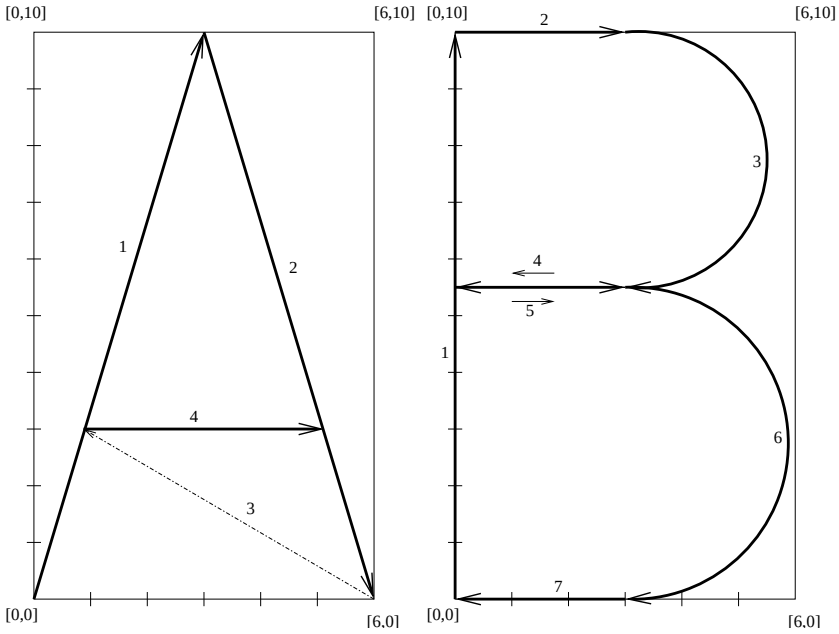
$$\varphi = \arctan\left(\frac{Y}{X}\right)$$

$$\alpha_1 = 90^o - \varphi \mp \beta$$

1.3 Pracovní prostor robota



1.4 Kreslení oblouků



1.5 Tvorba písmen