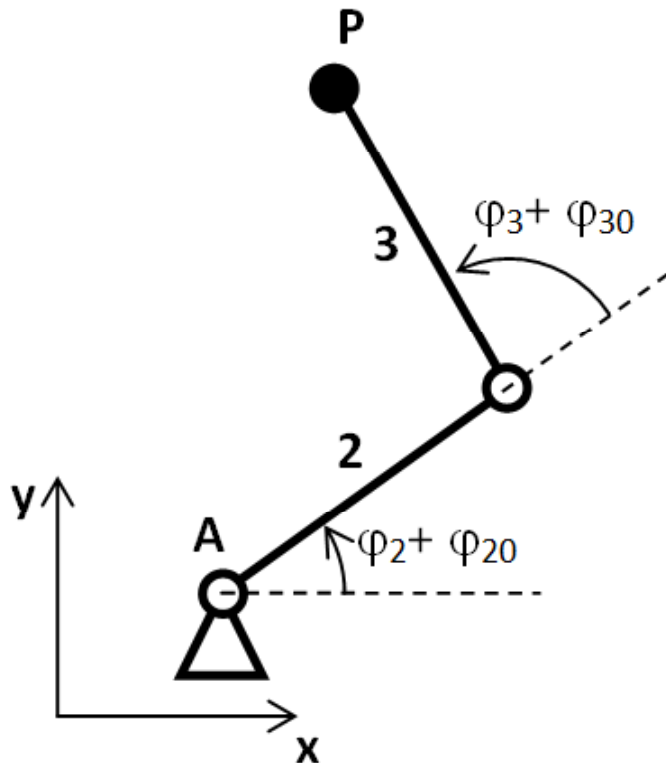


#### Example 4:

Calibrate parameters  $x_A$ ,  $y_A$ ,  $l_2$ ,  $l_3$ ,  $\varphi_{20}$ ,  $\varphi_{30}$  of the system in the picture using measured positions of the end-effector P and corresponding joint angles  $\varphi_2$ ,  $\varphi_3$ .



Design parameters:

$$x_A = 0.1 \text{ m}$$

$$y_A = 0.1 \text{ m}$$

$$l_2 = 0.6 \text{ m}$$

$$l_3 = 0.5 \text{ m}$$

$$\varphi_{20} = 0^\circ$$

$$\varphi_{30} = 0^\circ$$

(.mat files with measured data are available for download)