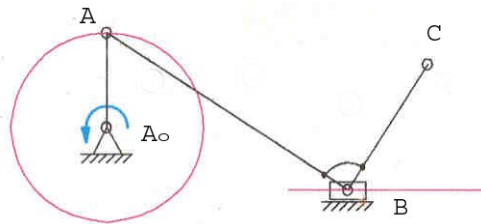


Exercise 1.5:

a) Graphic analysis of a slider crank

b) Analysis using the PC-Program SAM 6.0



a) Graphic analysis of a slider crank	b) Analysis using the PC-Program SAM 6.0
<p>Please make a sketch on a sheet of paper (DIN A4) with the given coordinates: $A_0(0/0)$, $A(0/30)$, $B_0(75/-20)$, $C(100/20)$. Start in the given position and show the positions of the mechanism at 45 degree steps. Show the coupler curve of point C.</p>	<p>Create the slider crank with the given coordinates: $A_0(0/0)$, $A(0/30)$, $B(75/-20)$, $C(100/20)$. The beams AB and BC have to be connected with the icon Fix relative Angles. Take the preset Input motion, use the Abacus icon to calculate and animate the mechanism using the Windmill icon. Show the coupler curve of the points A, B and C by using: Display and Path.</p>