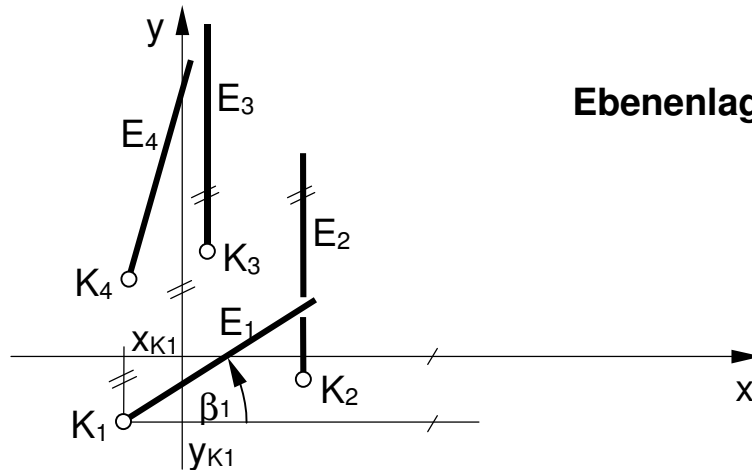


Synthesebeispiel 2



Ebenenlagen E_1, E_2, E_3, E_4

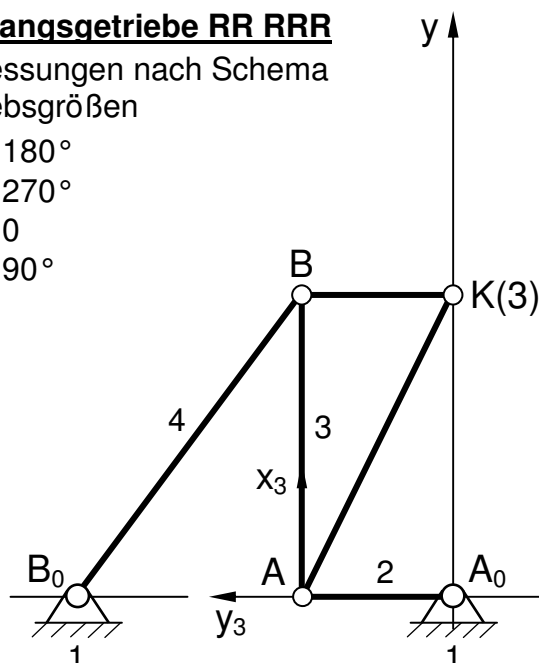
Forderungskatalog

GST	x_K	W_x	y_K	W_y	β_K	W_β	Bemerkungen
1	-15,5	1	-12,6	1	35	1	E_1
2	19,7		- 3,5		90		E_2
3	3,5		19,7		90		E_3
4	-14,1		14,1		70		E_4

Ausgangsgetriebe RR RRR

Abmessungen nach Schema
 Antriebsgrößen

$$\begin{aligned}\varphi_{1,a} &= 180^\circ \\ \varphi_{2,a} &= 270^\circ \\ \varphi_{3,a} &= 0 \\ \varphi_{4,a} &= 90^\circ\end{aligned}$$



Variablenvektor 13-dimensional

Zuordnung

$$\begin{aligned}X[1] &= x_{B0} \\ X[2] &= y_{B0} \\ X[3] &= L_3 = \overline{AB} \\ X[4] &= L_4 = \overline{B_0B} \\ X[5] &= x_{3K} \\ X[6] &= y_{3K} \\ X[7] &= \varphi_1 \\ X[8] &= \varphi_2 \\ X[9] &= \varphi_3 \\ X[10] &= \varphi_4 \\ X[11] &= L_2 = \overline{A_0A} \\ X[12] &= x_{A0} \\ X[13] &= y_{A0}\end{aligned}$$

M 1:1