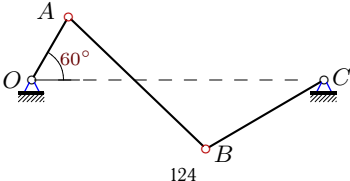
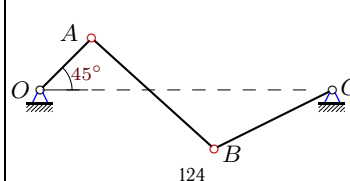
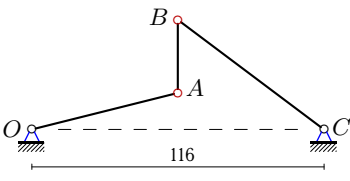
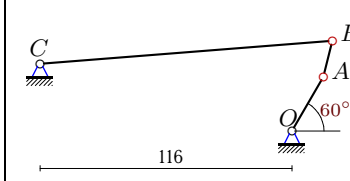
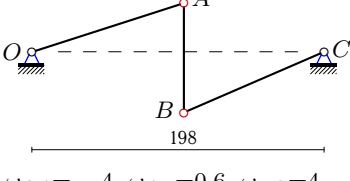
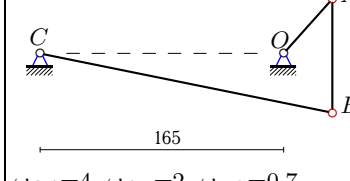
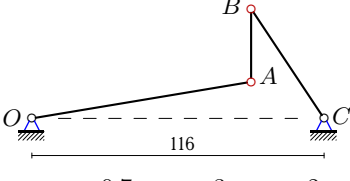
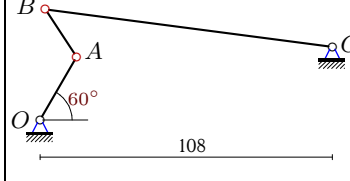


Уравнение трех угловых скоростей

Подобрать длины звеньев (в см) шарнирного четырехзвенника так, чтобы в некоторый момент движения угловые скорости его звеньев были равны заданным. Положение опорных шарниров четырехзвенника известно. Расстояния даны в см, угловые скорости — в рад/с.

Кирсанов М.Н. Решебник. Теоретическая механика с. 179.

<p>Вариант 1 K18.</p>  <p style="text-align: center;">124</p> <p>$\omega_{OA} = -6, \omega_{AB} = -1.1, \omega_{BC} = 3,$ $OA = 31.$</p>	<p>Вариант 2 K18.</p>  <p style="text-align: center;">124</p> <p>$\omega_{OA} = 3, \omega_{AB} = 0.5, \omega_{BC} = -1.8,$ $OA = 31.$</p>
<p>Вариант 3 K18.</p>  <p style="text-align: center;">116</p> <p>$\omega_{OA} = 2, \omega_{AB} = -4, \omega_{BC} = -2,$ $AB \perp OC, AB = 29.$</p>	<p>Вариант 4 K18.</p>  <p style="text-align: center;">116</p> <p style="text-align: right; margin-right: 20px;">31</p> <p>$\omega_{OA} = 32, \omega_{AB} = -47, \omega_{BC} = 2,$ $OA = 29.$</p>
<p>Вариант 5 K18.</p>  <p style="text-align: center;">198</p> <p>$\omega_{OA} = -4, \omega_{AB} = 0.6, \omega_{BC} = 4,$ $AB \perp OC, AB = 74.$</p>	<p>Вариант 6 K18.</p>  <p style="text-align: center;">165</p> <p>$\omega_{OA} = 4, \omega_{AB} = 2, \omega_{BC} = 0.7,$ $AB \perp OC, AB = 77.$</p>
<p>Вариант 7 K18.</p>  <p style="text-align: center;">116</p> <p>$\omega_{OA} = -0.7, \omega_{AB} = 3, \omega_{BC} = 2,$ $AB \perp OC, AB = 29.$</p>	<p>Вариант 8 K18.</p>  <p style="text-align: center;">108</p> <p style="text-align: right; margin-right: 20px;">27</p> <p>$\omega_{OA} = -3, \omega_{AB} = 5, \omega_{BC} = 1,$ $OA = 27.$</p>

Вариант 9

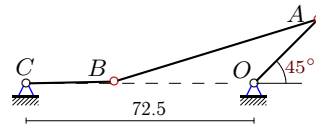
K18.



$$\omega_{OA}=3, \omega_{AB}=-3, \omega_{BC}=-0.7,$$

Вариант 10

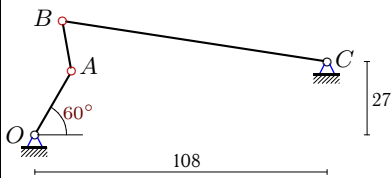
K18.



$$\omega_{OA}=2, \omega_{AB}=2, \omega_{BC}=-4, \\ OA=29.$$

Вариант 11

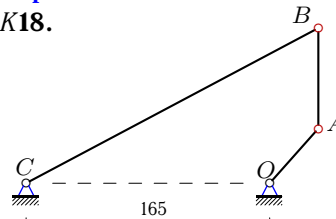
K18.



$$\omega_{OA}=-5, \omega_{AB}=8, \omega_{BC}=1, \\ OA=27.$$

Вариант 12

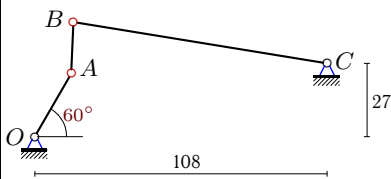
K18.



$$\omega_{OA}=4, \omega_{AB}=-1.1, \omega_{BC}=0.7, \\ AB \perp OC, AB=68.$$

Вариант 13

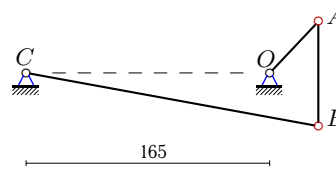
K18.



$$\omega_{OA}=-8, \omega_{AB}=10, \omega_{BC}=1, \\ OA=27.$$

Вариант 14

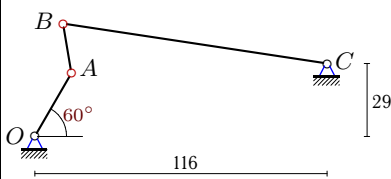
K18.



$$\omega_{OA}=24, \omega_{AB}=14, \omega_{BC}=4, \\ AB \perp OC, AB=71.$$

Вариант 15

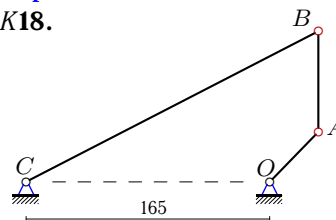
K18.



$$\omega_{OA}=-11, \omega_{AB}=16, \omega_{BC}=2, \\ OA=29.$$

Вариант 16

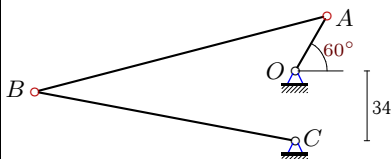
K18.



$$\omega_{OA}=4, \omega_{AB}=-1, \omega_{BC}=0.7, \\ AB \perp OC, AB=68.$$

Вариант 17

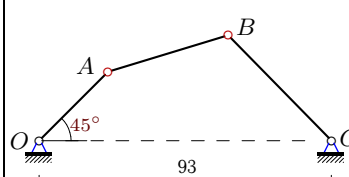
K18.



$$\omega_{OA}=7, \omega_{AB}=6, \omega_{BC}=3, \\ OA=31.$$

Вариант 18

K18.



$$\omega_{OA}=3, \omega_{AB}=-3, \omega_{BC}=1, \\ OA=31.$$

Вариант 19
K18.

$\omega_{OA}=10, \omega_{AB}=5, \omega_{BC}=4,$
 $OA = 33.$

Вариант 20
K18.

$\omega_{OA}=6, \omega_{AB} = - 5, \omega_{BC}=3,$
 $OA = 31.$

Вариант 21
K18.

$\omega_{OA} = - 1.8, \omega_{AB} = - 0.4, \omega_{BC}=1,$
 $OA = 27.$

Вариант 22
K18.

$\omega_{OA}=47, \omega_{AB} = - 59, \omega_{BC}=3,$
 $OA = 31.$

Вариант 23
K18.

$\omega_{OA}=1, \omega_{AB}=0.2, \omega_{BC} = - 0.6,$
 $OA = 27.$

Вариант 24
K18.

$\omega_{OA}=6, \omega_{AB} = - 1.7, \omega_{BC}=1,$
 $AB \perp OC, AB = 56.$

Вариант 25
K18.

$\omega_{OA} = - 3, \omega_{AB} = - 2, \omega_{BC}=2,$
 $OA = 29.$

Вариант 26
K18.

$\omega_{OA}=4, \omega_{AB} = - 1.1, \omega_{BC}=0.7,$
 $AB \perp OC, AB = 67.$

Вариант 27
K18.

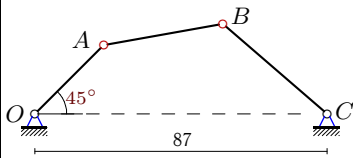
$\omega_{OA}=6, \omega_{AB} = - 1.6, \omega_{BC}=1,$
 $AB \perp OC, AB = 55.$

Вариант 28
K18.

$\omega_{OA}=1, \omega_{AB} = - 0.9, \omega_{BC}=0.3,$
 $OA = 27.$

Вариант 29

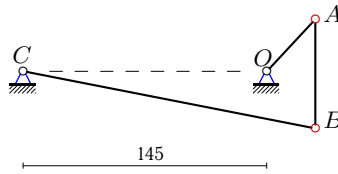
K18.



$\omega_{OA}=2, \omega_{AB}=-2, \omega_{BC}=1,$
 $OA = 29.$

Вариант 30

K18.



$\omega_{OA}=2, \omega_{AB}=1.1, \omega_{BC}=0.3,$
 $AB \perp OC, AB = 65.$

Ответы

	<i>OA</i>	<i>AB</i>	<i>BC</i>
1	31.000	81.784	60.926
2	31.000	68.732	56.095
3	59.785	29.000	72.500
4	29.000	17.150	135.072
5	103.875	74.000	107.757
6	46.315	77.000	205.372
7	86.595	29.000	49.837
8	27.000	21.422	108.781
9	31.000	22.000	105.000
10	29.000	71.829	24.167
11	27.000	16.638	99.157
12	50.997	68.000	225.929
13	27.000	20.438	94.499
14	48.469	71.000	201.157
15	29.000	19.428	105.719
16	49.519	68.000	224.978
17	31.000	20.745	59.277
18	31.000	35.923	49.401
19	33.000	101.745	92.624
20	31.000	41.915	52.133
21	27.000	68.566	50.143
22	31.000	21.293	145.133
23	27.000	57.369	49.889
24	40.540	56.000	183.525
25	29.000	62.787	33.224
26	50.602	67.000	225.215
27	39.331	55.000	182.299
28	27.000	33.304	42.957
29	29.000	36.481	41.079
30	39.880	65.000	174.024