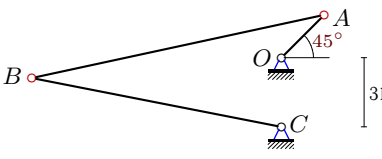
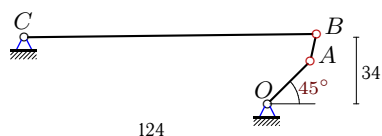
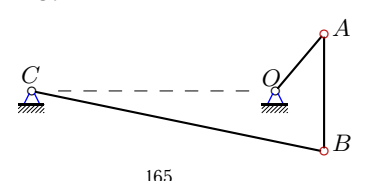
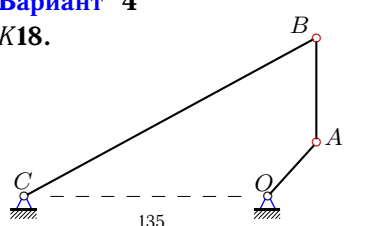
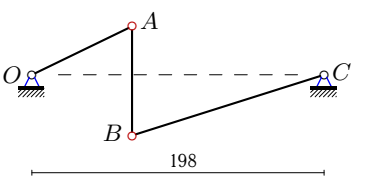
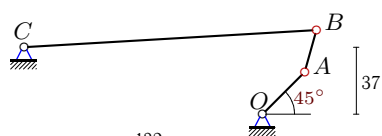
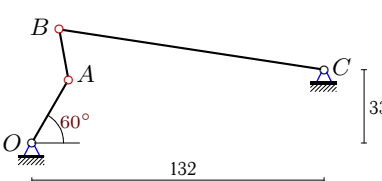
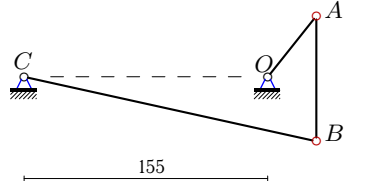


Уравнение трех угловых скоростей

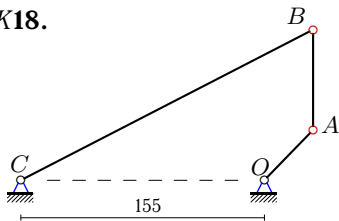
Подобрать длины звеньев (в см) шарнирного четырехзвенника так, чтобы в некоторый момент движения угловые скорости его звеньев были равны заданным. Положение опорных шарниров четырехзвенника известно. Расстояния даны в см, угловые скорости — в рад/с.

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

<p>Вариант 1 К18.</p>  <p>$\omega_{OA}=1, \omega_{AB}=0.4, \omega_{BC}=0.3,$ $OA = 27.$</p>	<p>Вариант 2 К18.</p>  <p>$\omega_{OA}=3, \omega_{AB} = - 5, \omega_{BC}=0.3,$ $OA = 31.$</p>
<p>Вариант 3 К18.</p>  <p>$\omega_{OA}=24, \omega_{AB}=14, \omega_{BC}=4,$ $AB \perp OC, AB = 80.$</p>	<p>Вариант 4 К18.</p>  <p>$\omega_{OA}=6, \omega_{AB} = - 1.6, \omega_{BC}=1,$ $AB \perp OC, AB = 58.$</p>
<p>Вариант 5 К18.</p>  <p>$\omega_{OA}=4, \omega_{AB}=0.6, \omega_{BC} = - 2,$ $AB \perp OC, AB = 74.$</p>	<p>Вариант 6 К18.</p>  <p>$\omega_{OA}=4, \omega_{AB} = - 4, \omega_{BC}=0.4,$ $OA = 33.$</p>
<p>Вариант 7 К18.</p>  <p>$\omega_{OA} = - 21, \omega_{AB}=30, \omega_{BC}=4,$ $OA = 33.$</p>	<p>Вариант 8 К18.</p>  <p>$\omega_{OA}=3, \omega_{AB}=1.7, \omega_{BC}=0.5,$ $AB \perp OC, AB = 80.$</p>

Вариант 9

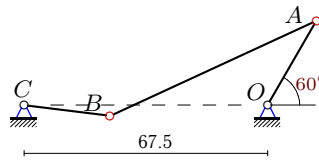
K18.



$$\omega_{OA}=3, \omega_{AB}=-0.8, \omega_{BC}=0.5, \\ AB \perp OC, AB = 64.$$

Вариант 10

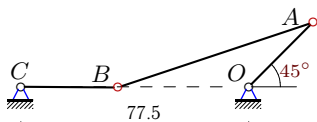
K18.



$$\omega_{OA}=-0.8, \omega_{AB}=-0.6, \omega_{BC}=1, \\ OA = 27.$$

Вариант 11

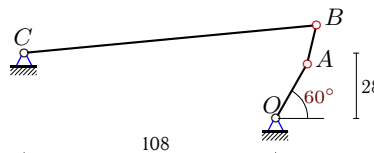
K18.



$$\omega_{OA}=3, \omega_{AB}=3, \omega_{BC}=-4, \\ OA = 31.$$

Вариант 12

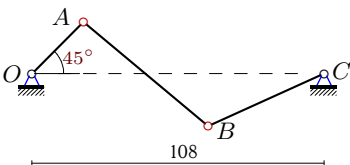
K18.



$$\omega_{OA}=15, \omega_{AB}=-21, \omega_{BC}=1, \\ OA = 27.$$

Вариант 13

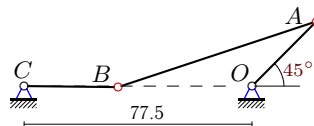
K18.



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

Вариант 14

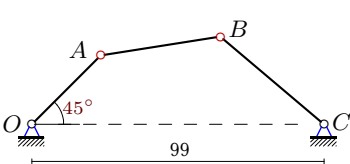
K18.



$$\omega_{OA}=3, \omega_{AB}=3, \omega_{BC}=-4, \\ OA = 31.$$

Вариант 15

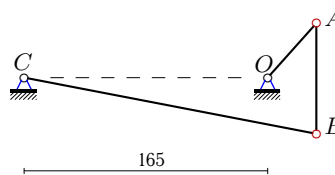
K18.



$$\omega_{OA}=4, \omega_{AB}=-4, \omega_{BC}=2, \\ OA = 33.$$

Вариант 16

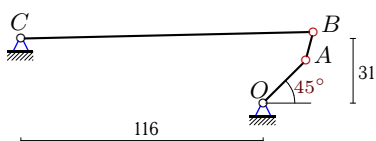
K18.



$$\omega_{OA}=24, \omega_{AB}=14, \omega_{BC}=4, \\ AB \perp OC, AB = 75.$$

Вариант 17

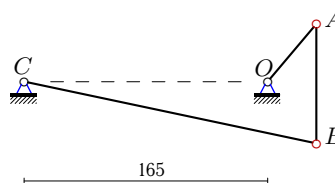
K18.



$$\omega_{OA}=2, \omega_{AB}=-3, \omega_{BC}=0.2, \\ OA = 29.$$

Вариант 18

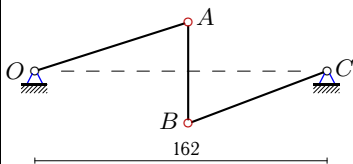
K18.



$$\omega_{OA}=4, \omega_{AB}=2, \omega_{BC}=0.7, \\ AB \perp OC, AB = 81.$$

Вариант 19

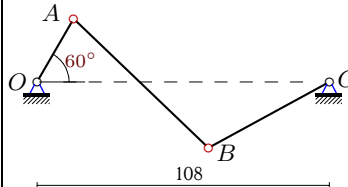
K18.



$$\omega_{OA} = -0.9, \omega_{AB} = 0.1, \omega_{BC} = 1, \\ AB \perp OC, AB = 56.$$

Вариант 20

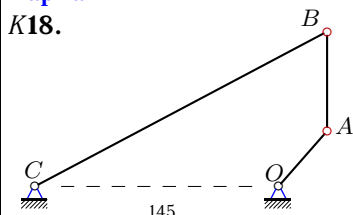
K18.



$$\omega_{OA} = -1.9, \omega_{AB} = -0.4, \omega_{BC} = 1, \\ OA = 27.$$

Вариант 21

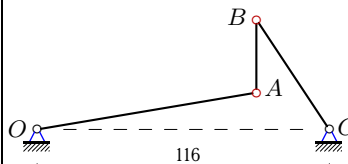
K18.



$$\omega_{OA} = 12, \omega_{AB} = -4, \omega_{BC} = 2, \\ AB \perp OC, AB = 59.$$

Вариант 22

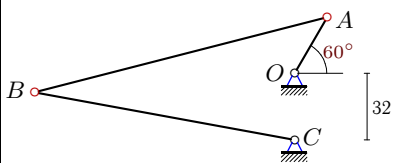
K18.



$$\omega_{OA} = -0.7, \omega_{AB} = 3, \omega_{BC} = 2, \\ AB \perp OC, AB = 29.$$

Вариант 23

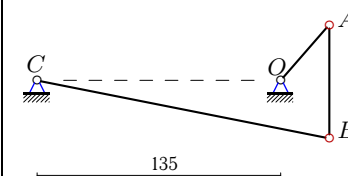
K18.



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

Вариант 24

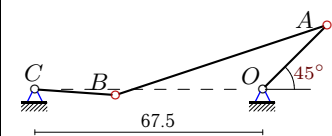
K18.



$$\omega_{OA} = 6, \omega_{AB} = 3, \omega_{BC} = 1, \\ AB \perp OC, AB = 63.$$

Вариант 25

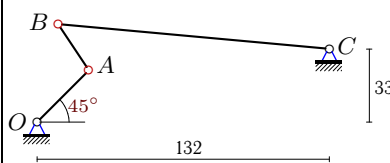
K18.



$$\omega_{OA} = 1, \omega_{AB} = 0.8, \omega_{BC} = -1.3, \\ OA = 27.$$

Вариант 26

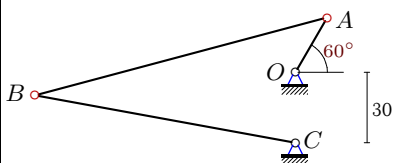
K18.



$$\omega_{OA} = 4, \omega_{AB} = -5, \omega_{BC} = -1.3, \\ OA = 33.$$

Вариант 27

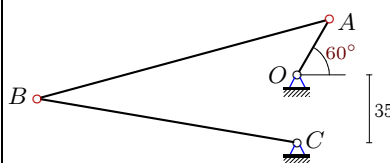
K18.



$$\omega_{OA} = 3, \omega_{AB} = 1.2, \omega_{BC} = 1, \\ OA = 27.$$

Вариант 28

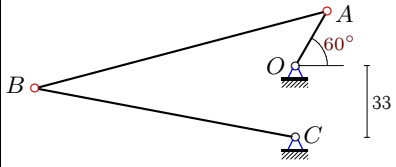
K18.



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

Вариант 29

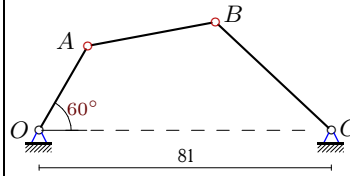
K18.



$\omega_{OA}=5, \omega_{AB}=4, \omega_{BC}=2,$
 $OA = 29.$

Вариант 30

K18.



$\omega_{OA}=1.7, \omega_{AB}= - 1.6, \omega_{BC}=1,$
 $OA = 27.$

Отвѣты

	<i>OA</i>	<i>AB</i>	<i>BC</i>
1	27.000	139.687	114.940
2	31.000	13.733	150.072
3	51.856	80.000	202.000
4	40.480	58.000	184.435
5	73.378	74.000	138.501
6	33.000	23.549	162.664
7	33.000	22.839	121.283
8	49.351	80.000	190.595
9	45.481	64.000	209.903
10	27.000	63.118	23.805
11	31.000	69.741	33.214
12	27.000	16.567	125.712
13	27.000	57.369	49.889
14	31.000	69.741	33.214
15	33.000	41.513	46.745
16	49.952	75.000	201.520
17	29.000	14.137	140.822
18	47.362	81.000	205.937
19	89.294	56.000	82.202
20	27.000	69.026	51.785
21	45.762	59.000	197.958
22	86.595	29.000	49.837
23	31.000	21.012	55.293
24	36.933	63.000	166.352
25	27.000	66.091	23.965
26	33.000	25.384	122.226
27	27.000	158.909	125.256
28	33.000	103.882	88.527
29	29.000	22.246	53.932
30	27.000	35.353	44.168