

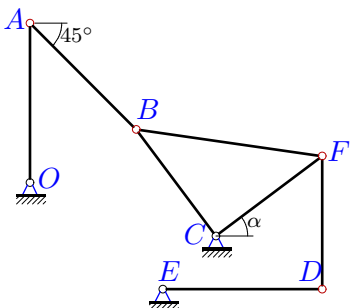
Кинематический анализ механизма (5 звеньев)

В указанном положении механизма задана угловая скорость одного из его звеньев. Длины звеньев даны в сантиметрах. Стержни, направление которых не указано, считать вертикальными или горизонтальными. Найти угловые скорости звеньев механизма.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова. – М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.158.)

Задача K23.1.

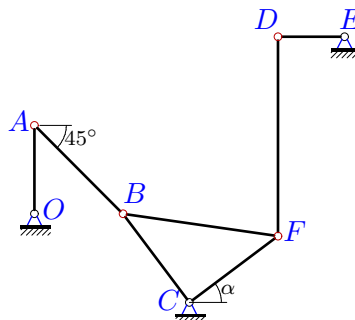
Аксенов Михаил



$\omega_{OA} = 10$ рад/с, $OA = 6$, $DF = 5$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 6$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.2.

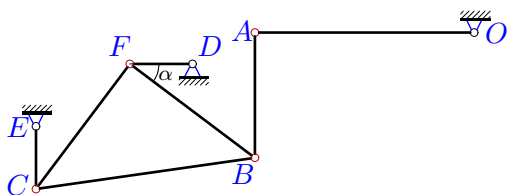
Барашков Александр



$\omega_{OA} = 3$ рад/с, $OA = 4$, $DF = 9$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 3$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.3.

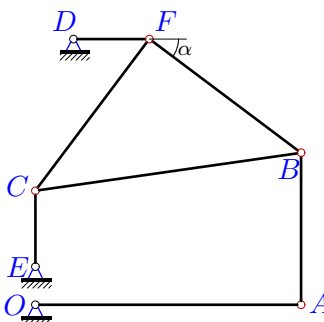
Батракова Анна



$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$,
 $CE = 2$, $DF = 2$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.4.

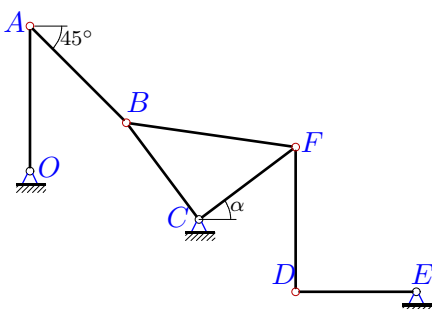
Белозерова Ирина



$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$,
 $CE = 2$, $DF = 2$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.5.

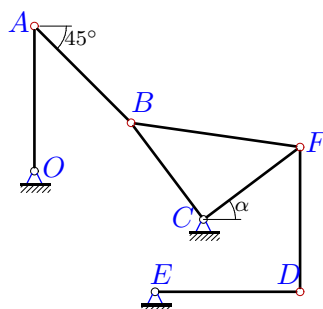
Бельчук Настя



$\omega_{OA} = 10$ рад/с, $OA = 6$, $DF = 6$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 5$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.6.

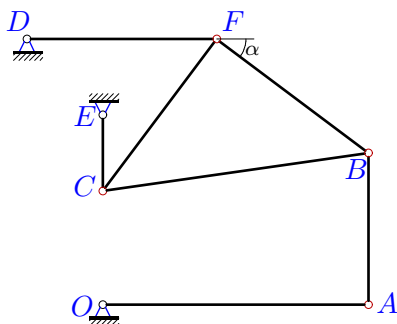
Гайдукова Мария



$\omega_{OA} = 2$ рад/с, $OA = 6$, $DF = 6$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 6$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.15.

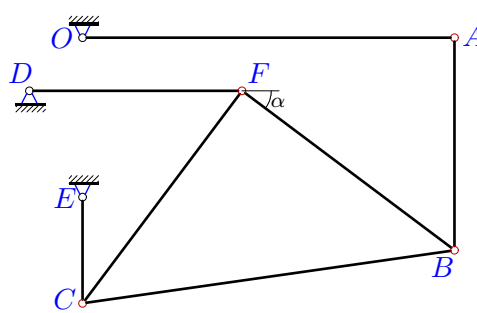
Мильчакова Мария



$\omega_{OA} = 20$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$, $CE = 2$, $DF = 5$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.16.

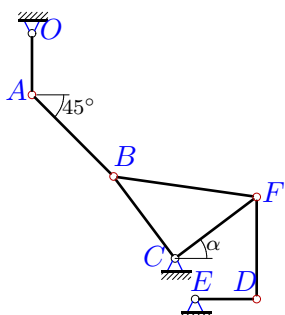
Можегов Илья



$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$, $CE = 2$, $DF = 4$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.17.

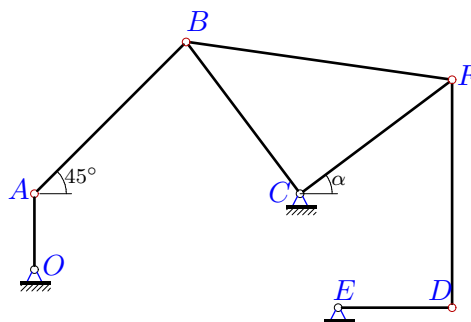
Моисеенко Глеб



$\omega_{OA} = 20$ рад/с, $OA = 3$, $DF = 5$, $BC = CF = 5$, $AB = 4\sqrt{2}$, $DE = 3$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.18.

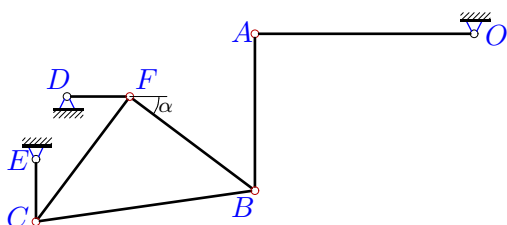
Николаева Кристина



$\omega_{OA} = 42$ рад/с, $OA = 2$, $DF = 6$, $BC = CF = 5$, $AB = 4\sqrt{2}$, $DE = 3$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.19.

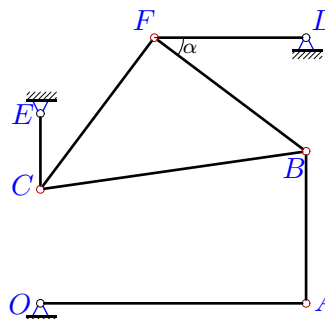
Никулин Дмитрий



$\omega_{OA} = 10$ рад/с, $OA = 7$, $AB = 5$, $BF = FC = 5$, $CE = 2$, $DF = 2$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.20.

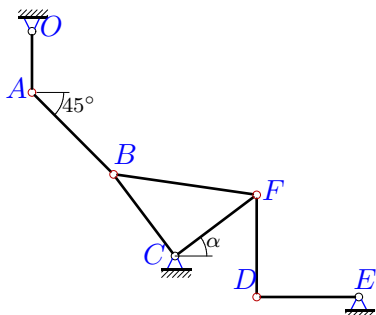
Ондар Артыш



$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$, $CE = 2$, $DF = 4$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.21.

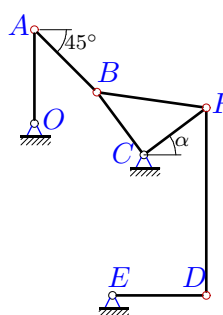
Посохов Андрей



$\omega_{OA} = 20$ рад/с, $OA = 3$, $DF = 5$, $BC = CF = 5$, $AB = 4\sqrt{2}$, $DE = 5$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.22.

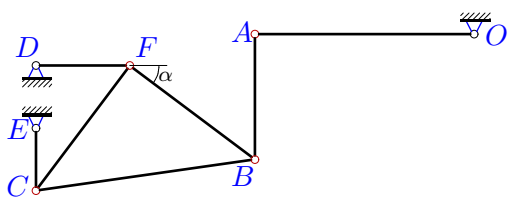
Савин Алексей



$\omega_{OA} = 2$ рад/с, $OA = 6$, $DF = 12$, $BC = CF = 5$, $AB = 4\sqrt{2}$, $DE = 6$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.23.

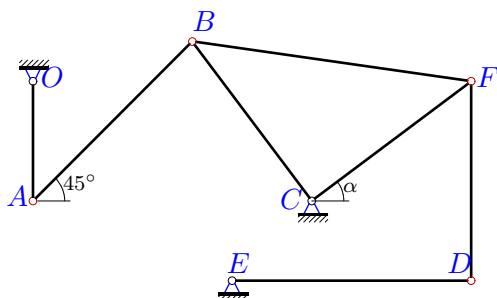
Сидоренко Екатерина



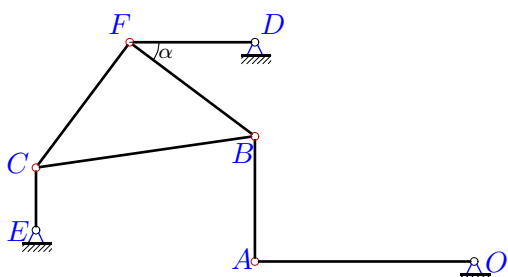
$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$,
 $CE = 2$, $DF = 3$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.25.

Чалый Дмитрий



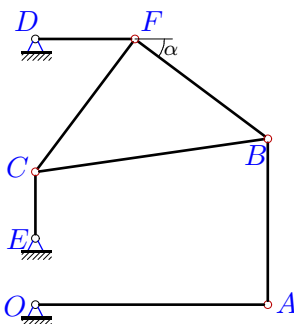
$\omega_{OA} = 140$ рад/с, $OA = 3$, $DF = 5$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 6$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.27.


$\omega_{OA} = 4$ рад/с, $OA = 7$, $AB = 4$, $BF = FC = 5$,
 $CE = 2$, $DF = 4$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.24.

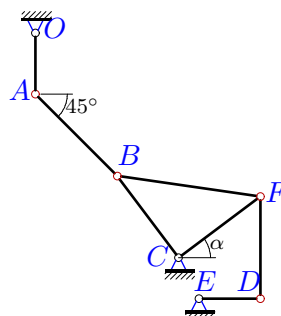
Трапезников Кирилл



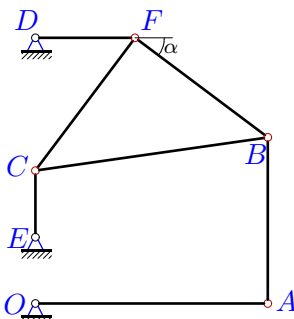
$\omega_{OA} = 5$ рад/с, $OA = 7$, $AB = 5$, $BF = FC = 5$,
 $CE = 2$, $DF = 3$, $\cos \alpha = 0.8$, $FB \perp CF$.

Задача K23.26.

Шайхлисламов Ильдар



$\omega_{OA} = 20$ рад/с, $OA = 3$, $DF = 5$, $BC = CF = 5$,
 $AB = 4\sqrt{2}$, $DE = 3$, $\cos \alpha = 0.8$, $CB \perp CF$.

Задача K23.28.


$\omega_{OA} = 5$ рад/с, $OA = 7$, $AB = 5$, $BF = FC = 5$,
 $CE = 2$, $DF = 3$, $\cos \alpha = 0.8$, $FB \perp CF$.