

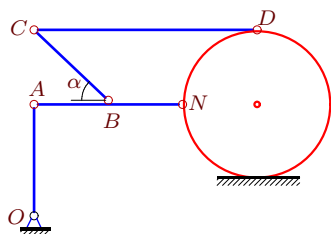
Кинематический анализ плоского механизма

В указанном положении механизма задана угловая скорость одного из звеньев. Длины звеньев даны в сантиметрах. Стержни, направление которых не указано, считать горизонтальными или вертикальными. Диск катится по горизонтальной поверхности без проскальзывания. Найти угловые скорости всех звеньев механизма.

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

Задача К-26.1.

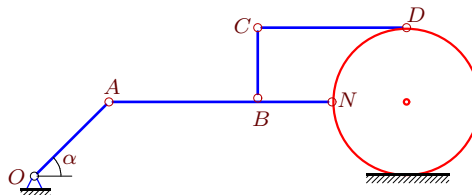
Аленичкин Александр



$$\omega_{OA_z} = 4c^{-1}, R = 6, OA = 9, \\ AB = 6, BN = 6, BC = 6\sqrt{2}, CD = 18, \alpha = 45^\circ$$

Задача К-26.2.

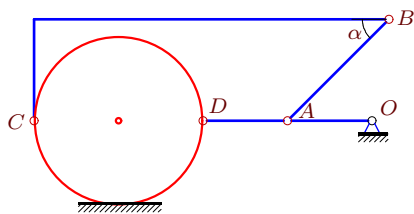
Белый Алексей



$$\omega_{OA_z} = 6c^{-1}, R = 6, OA = 6\sqrt{2}, \\ AB = 12, BN = BC = 6, CD = 12, \alpha = 45^\circ$$

Задача К-26.3.

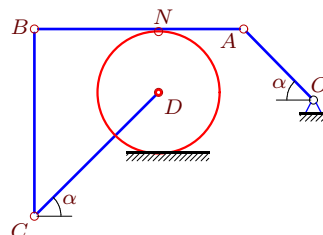
Бирюков Антон



$$\omega_{OA_z} = 3c^{-1}, R = 5, OA = 5, \\ AB = 6\sqrt{2}, AD = 5, \alpha = 45^\circ.$$

Задача К-26.4.

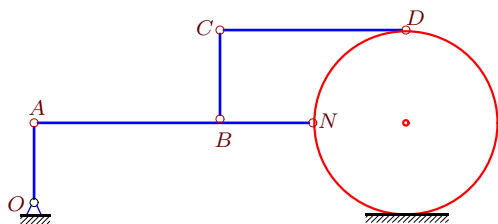
Боржов Роман



$$\omega_{OA_z} = 176c^{-1}, R = 8, OA = 9\sqrt{2}, \\ CD = 16\sqrt{2}, AN = 11, AB = 27, \alpha = 45^\circ.$$

Задача К-26.5.

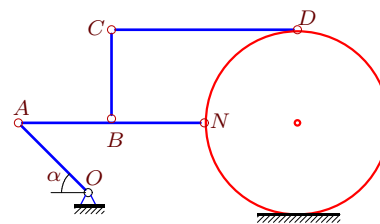
Галустов Владимир



$$\omega_{OA_z} = 7c^{-1}, R = 7, OA = 6, \\ AB = 14, BN = BC = 7, CD = 14.$$

Задача К-26.6.

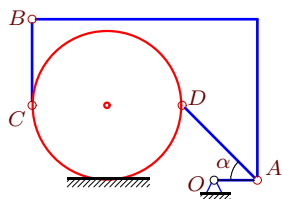
Дмитриева Марина



$$\omega_{OA_z} = 8c^{-1}, R = 4, OA = 3\sqrt{2}, \\ AB = 4, BN = BC = 4, CD = 8, \alpha = 45^\circ$$

Задача К-26.7.

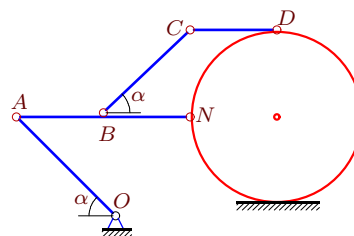
Ельникова Ирина



$$\omega_{OA_z} = 7c^{-1}, R = 7, OA = 4, AD = 7\sqrt{2}, BC = 8, \alpha = 45^\circ.$$

Задача К-26.8.

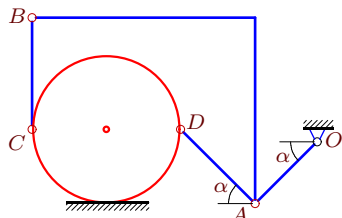
Кильдиватова Полина



$$\omega_{OA_z} = 7c^{-1}, R = 7, OA = 8\sqrt{2}, AB = 7, BN = 7, BC = 7\sqrt{2}, CD = 7, \alpha = 45^\circ$$

Задача К-26.9.

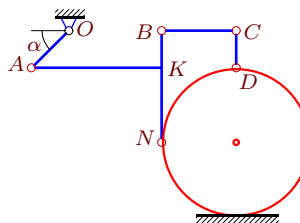
Кильчанов Сергей



$$\omega_{OA_z} = 54c^{-1}, R = 6, OA = 5\sqrt{2}, AD = 6\sqrt{2}, BC = 9, \alpha = 45^\circ.$$

Задача К-26.10.

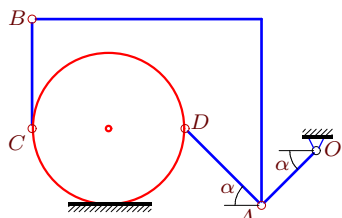
Коннов Сергей



$$\omega_{OA_z} = 6c^{-1}, R = 4, OA = 2\sqrt{2}, AK = 7, BK = 2, KN = 4, CD = 2, \alpha = 45^\circ.$$

Задача К-26.11.

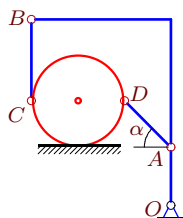
Красненко Дарья



$$\omega_{OA_z} = 21c^{-1}, R = 7, OA = 5\sqrt{2}, AD = 7\sqrt{2}, BC = 10, \alpha = 45^\circ.$$

Задача К-26.12.

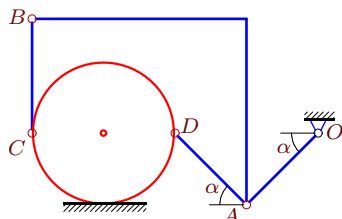
Крупинин Андрей



$$\omega_{OA_z} = 168c^{-1}, R = 4, OA = 5, AD = 4\sqrt{2}, BC = 7, \alpha = 45^\circ.$$

Задача К-26.13.

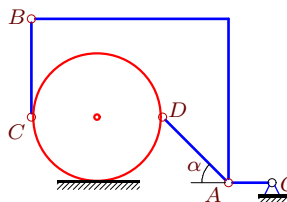
Миргасов Алексей



$$\omega_{OA_z} = 12c^{-1}, R = 5, OA = 5\sqrt{2}, AD = 5\sqrt{2}, BC = 8, \alpha = 45^\circ.$$

Задача К-26.14.

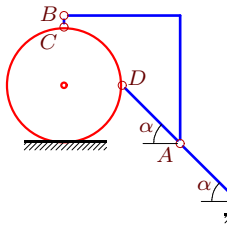
Миронова Дарья



$$\omega_{OA_z} = 3c^{-1}, R = 6, OA = 4, AD = 6\sqrt{2}, BC = 9, \alpha = 45^\circ.$$

Задача К-26.15.

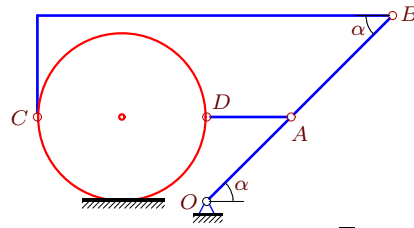
Набиев Артур



$$\omega_{OA_z} = 2c^{-1}, R = 5, OA = 5\sqrt{2}, AD = 5\sqrt{2}, BC = 1, \alpha = 45^\circ.$$

Задача К-26.16.

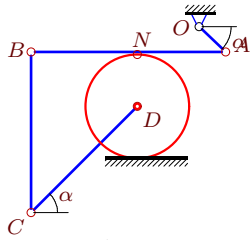
Назаренко Анастасия



$$\omega_{OA_z} = 3c^{-1}, R = 5, OA = 5\sqrt{2}, AB = 6\sqrt{2}, AD = 5, \alpha = 45^\circ.$$

Задача К-26.17.

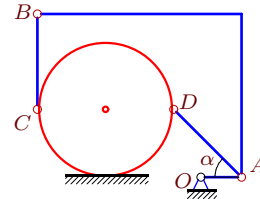
Ни Владислав



$$\omega_{OA_z} = 60c^{-1}, R = 6, OA = 3\sqrt{2}, CD = 12\sqrt{2}, AN = 10, AB = 22, \alpha = 45^\circ.$$

Задача К-26.18.

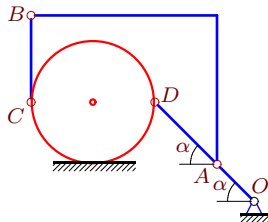
Сергеев Михаил



$$\omega_{OA_z} = 10c^{-1}, R = 5, OA = 3, AD = 5\sqrt{2}, BC = 7, \alpha = 45^\circ.$$

Задача К-26.19.

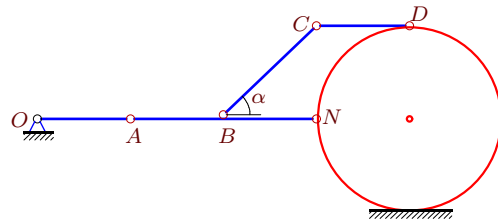
Склярченко Никита



$$\omega_{OA_z} = 35c^{-1}, R = 5, OA = 3\sqrt{2}, AD = 5\sqrt{2}, BC = 7, \alpha = 45^\circ.$$

Задача К-26.20.

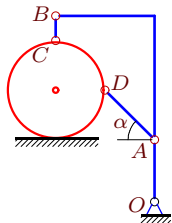
Филатов Иван



$$\omega_{OA_z} = 2c^{-1}, R = 6, OA = 6, AB = 6, BN = 6, BC = 6\sqrt{2}, CD = 6, \alpha = 45^\circ.$$

Задача К-26.21.

Шеповаленко Ангелина



$$\omega_{OA_z} = 8c^{-1}, R = 4, OA = 5, AD = 4\sqrt{2}, BC = 2, \alpha = 45^\circ.$$