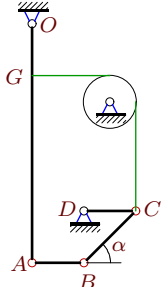


Плоский механизм с блоком

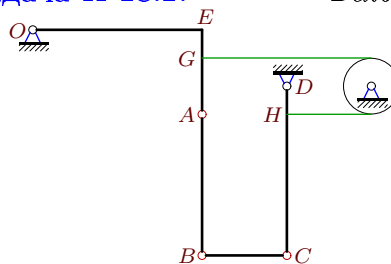
В указанном положении механизма задана угловая скорость одного из звеньев (с^{-1}). Длины звеньев даны в сантиметрах. Стержни и нити, направление которых не указано, считать горизонтальными или вертикальными. Нить огибает диск радиусом r без проскальзывания. Найти угловые скорости всех звеньев механизма.

Задача К-28.1. Аленичкин Александр



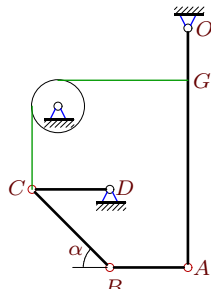
$$OA = 9, CB = 2\sqrt{2}, CD = AB = 2, OG = 2, r = 1, \omega_{AB} = 11, \alpha = 45^\circ.$$

Задача К-28.2. Белый Алексей



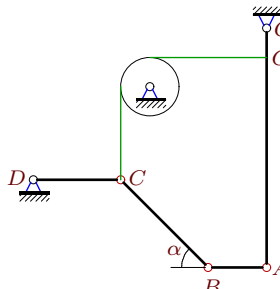
$$OE = 6, CB = 3, AB = 5, CD = 6, r = 1, CH = 5, AG = 2, GE = 1, \omega_{CB} = 10.$$

Задача К-28.3. Бирюков Антон



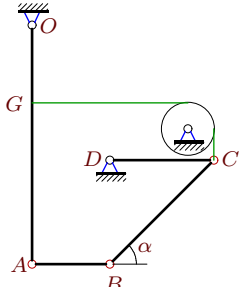
$$OA = 9, CB = 3\sqrt{2}, CD = AB = 3, OG = 2, r = 1, \omega_{AB} = 11, \alpha = 45^\circ.$$

Задача К-28.4. Боржсов Роман



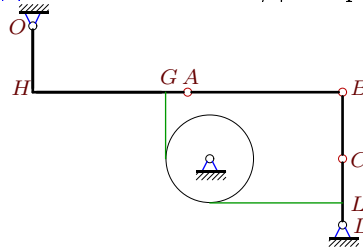
$$OA = 8, CB = 3\sqrt{2}, CD = 3, AB = 2, OG = 1, r = 1, \omega_{disk} = 6, \alpha = 45^\circ.$$

Задача К-28.5. Галустов Владимир



$$OA = 9, CB = 4\sqrt{2}, CD = 4, AB = 3, OG = 3, r = 1, \omega_{CB} = -9, \alpha = 45^\circ.$$

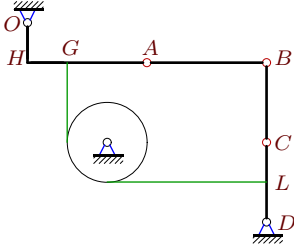
Задача К-28.6. Дмитриева Марина



$$OH = 3, CB = 3, HA = AB = 7, CD = 3, r = 2, CL = 2, AG = 1, \omega_{disk} = -3.$$

Задача К-28.7.

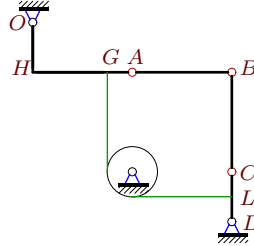
Ельникова Ирина



$OH = 1, CB = 2, HA = AB = 3, CD = 2,$
 $r = 1, CL = 1, AG = 2, \omega_{CB} = -3.$

Задача К-28.8.

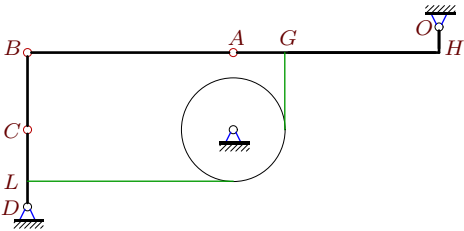
Кильдиватова Полина



$OH = 2, CB = HA = AB = 4, CD = 2,$
 $r = 1, CL = 1, AG = 1, \omega_{CB} = -2.$

Задача К-28.9.

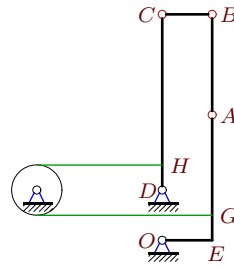
Кильчанов Сергей



$OH = 1, CB = 3, HA = AB = 8, CD = 3,$
 $r = 2, CL = 2, AG = 2, \omega_{OA} = 3.$

Задача К-28.10.

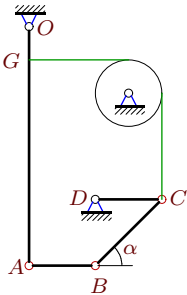
Котнов Сергей



$OE = 2, CB = 2, AB = 4, CD = 7, r = 1,$
 $CH = 6, AG = 4, GE = 1, \omega_{CD} = 1.$

Задача К-28.11.

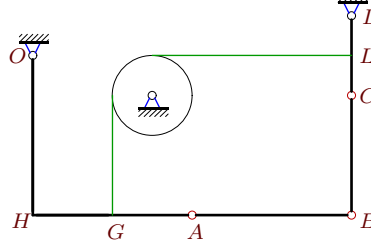
Красненко Дарья



$OA = 7, CB = 2\sqrt{2}, CD = AB = 2, OG = 1,$
 $r = 1, \omega_{disk} = 2, \alpha = 45^\circ.$

Задача К-28.12.

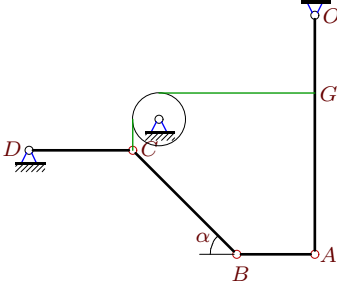
Крупинин Андрей



$OH = 4, CB = 3, HA = AB = 4, CD = 2,$
 $r = 1, CL = 1, AG = 2, \omega_{CD} = 2.$

Задача К-28.13.

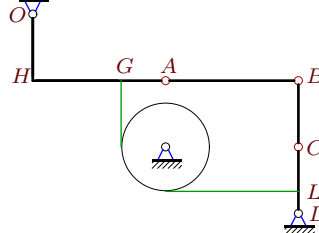
Миргасов Алексей



$OA = 9, CB = 4\sqrt{2}, CD = 4, AB = 3,$
 $OG = 3, r = 1, \omega_{OA} = -4, \alpha = 45^\circ.$

Задача К-28.14.

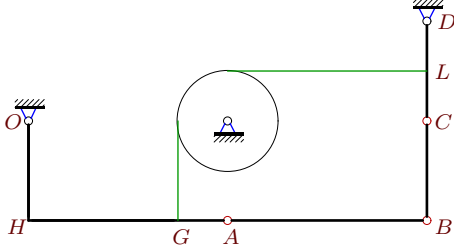
Миронова Дарья



$OH = 3, CB = 3, HA = AB = 6, CD = 3,$
 $r = 2, CL = 2, AG = 2, \omega_{OA} = 1.$

Задача К-28.15.

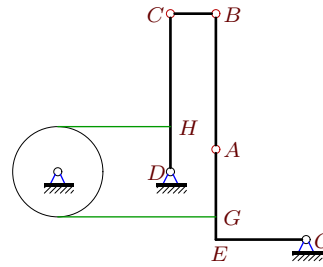
Набиев Артур



$OH = 2, CB = 2, HA = AB = 4, CD = 2,$
 $r = 1, CL = 1, AG = 1, \omega_{CD} = 3.$

Задача К-28.16.

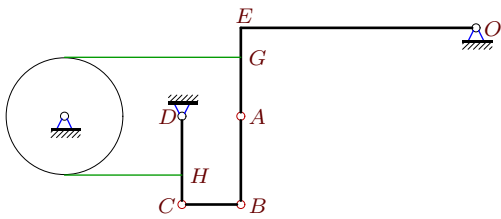
Назаренко Анастасия



$OE = 4, CB = 2, AB = 6, CD = 7, r = 2,$
 $CH = 5, AG = 3, GE = 1, \omega_{CD} = 2.$

Задача К-28.17.

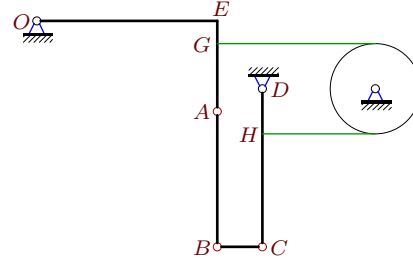
Ни Владислав



$OE = 8, CB = 2, AB = 3, CD = 3, r = 2,$
 $CH = 1, AG = 2, GE = 1, \omega_{disk} = 1.$

Задача К-28.18.

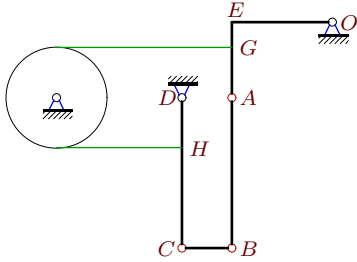
Сергеев Михаил



$OE = 8, CB = 2, AB = 6, CD = 7, r = 2,$
 $CH = 5, AG = 3, GE = 1, \omega_{AB} = 5.$

Задача К-28.19.

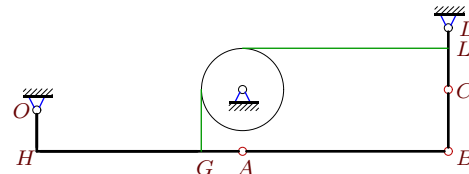
Скляренко Никита



$OE = 4, CB = 2, AB = 6, CD = 6, r = 2,$
 $CH = 4, AG = 2, GE = 1, \omega_{AB} = 2.$

Задача К-28.20.

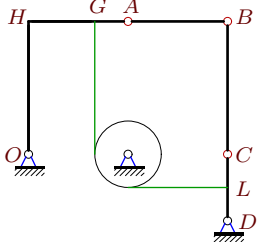
Филатов Иван



$OH = 2, CB = 3, HA = AB = 10, CD = 3,$
 $r = 2, CL = 2, AG = 2, \omega_{CD} = 24.$

Задача К-28.21.

Шеповаленко Ангелина



$OH = 4, CB = 4, HA = AB = 3, CD = 2,$
 $r = 1, CL = 1, AG = 1, \omega_{disk} = -2.$