

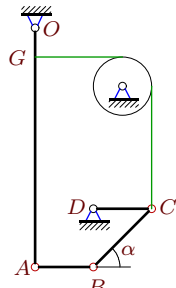
Плоский механизм с блоком

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.

Алимов Шамиль

Маратович

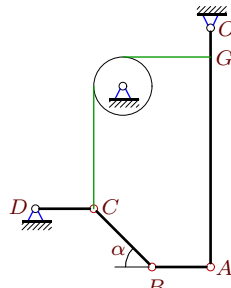


$OA = 8$, $CB = 2\sqrt{2}$, $CD = AB = 2$, $OG = 1$, $r = 1$, $\omega_{AB} = 9$, $\alpha = 45^\circ$.

Задача К-28.2.

Берсенева Анастасия

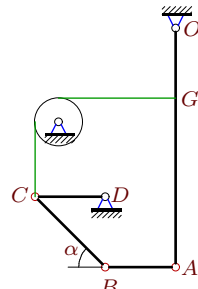
Юрьевна



$OA = 8$, $CB = 2\sqrt{2}$, $CD = AB = 2$, $OG = 1$, $r = 1$, $\omega_{AB} = 9$, $\alpha = 45^\circ$.

Задача К-28.3.

Богатых Ольга Юрьевна

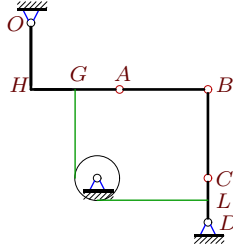


$OA = 10$, $CB = 3\sqrt{2}$, $CD = AB = 3$, $OG = 3$, $r = 1$, $\omega_{CD} = 3$, $\alpha = 45^\circ$.

Задача К-28.4.

Войтов Марк

Константинович

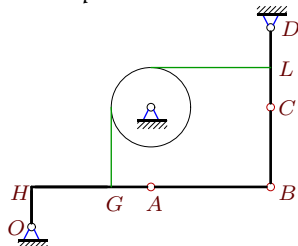


$OH = 3$, $CB = HA = AB = 4$, $CD = 2$, $r = 1$, $CL = 1$, $AG = 2$, $\omega_{OA} = 4$.

Задача К-28.5.

Грабчинская Екатерина

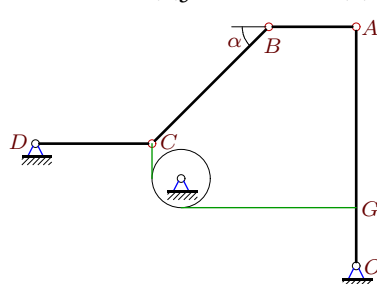
Владимировна



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

Задача К-28.6.

Дугин Антон Дмитриевич

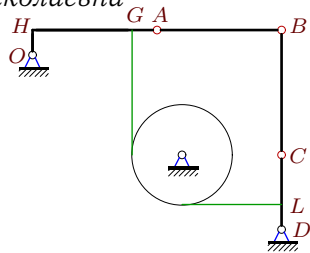


$OA = 8$, $CB = 4\sqrt{2}$, $CD = 4$, $AB = 3$, $OG = 2$, $r = 1$, $\omega_{OA} = -6$, $\alpha = 45^\circ$.

Задача К-28.7.

Елизарова Ксения

Николаевна

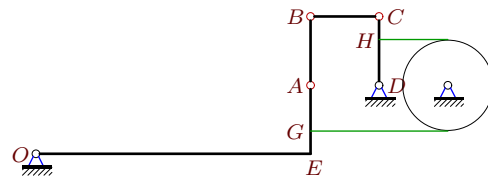


$OH = 1, CB = HA = AB = 5, CD = 3,$
 $r = 2, CL = 2, AG = 1, \omega_{OA} = 5.$

Задача К-28.8.

Ефименко Яна

Эдуардовна

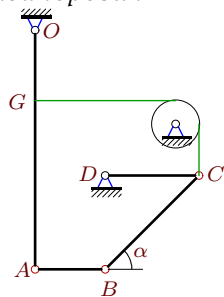


$OE = 12, CB = AB = 3, CD = 3, r = 2,$
 $CH = 1, AG = 2, GE = 1, \omega_{OA} = -2.$

Задача К-28.9.

Котов Андрей

Александрович

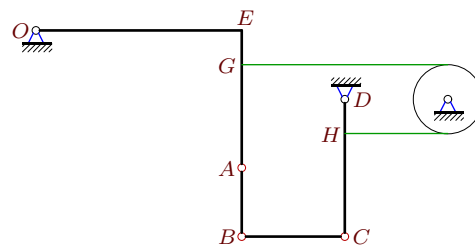


$OA = 10, CB = 4\sqrt{2}, CD = 4, AB = 3,$
 $OG = 3, r = 1, \omega_{disk} = 36, \alpha = 45^\circ.$

Задача К-28.10.

Кравчук Ольга

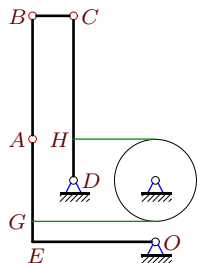
Андреевна



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

Задача К-28.11.

Левин Глеб Кириллович

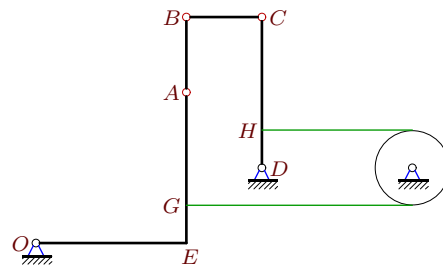


$OE = 6, CB = 2, AB = 6, CD = 8, r = 2,$
 $CH = 6, AG = 4, GE = 1, \omega_{CD} = 1.$

Задача К-28.12.

Лысина Екатерина

Александровна

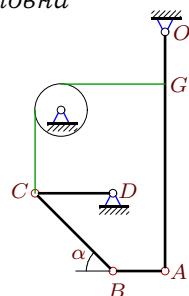


$OE = 4, CB = AB = 2, CD = 4, r = 1,$
 $CH = AG = 3, GE = 1, \omega_{disk} = 1.$

Задача К-28.13.

Маралкина Евгения

Павловна

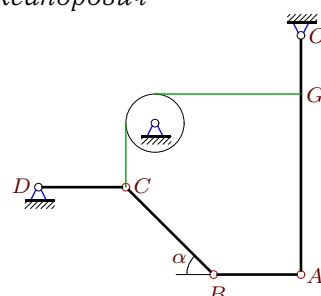


$OA = 9, CB = 3\sqrt{2}, CD = 3, AB = 2,$
 $OG = 2, r = 1, \omega_{AB} = 33, \alpha = 45^\circ.$

Задача К-28.14.

Новов Александр

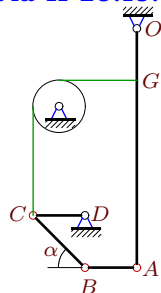
Александрович



$OA = 8, CB = 3\sqrt{2}, CD = AB = 3, OG = 2,$
 $r = 1, \omega_{AB} = 10, \alpha = 45^\circ.$

Задача К-28.15.

Павич Иван Анте

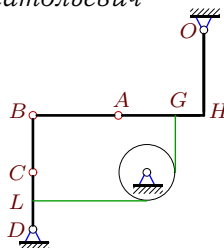


$OA = 9$, $CB = 2\sqrt{2}$, $CD = AB = 2$, $OG = 2$, $r = 1$, $\omega_{CB} = -9$, $\alpha = 45^\circ$.

Задача К-28.16.

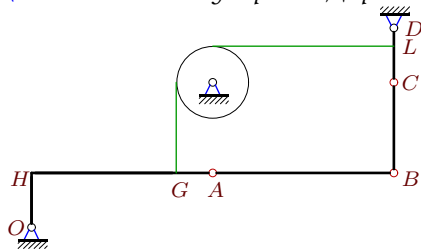
Анатольевич

Сонин Андрей



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

Задача К-28.17. Тугарина Дарья Олеговна

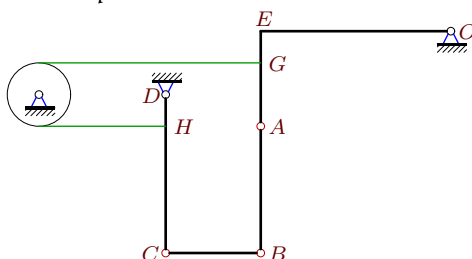


$OH = 3$, $CB = 5$, $HA = AB = 10$, $CD = 3$, $r = 2$, $CL = 2$, $AG = 2$, $\omega_{AB} = -5$.

Задача К-28.18.

Александрович

Хромов Дмитрий

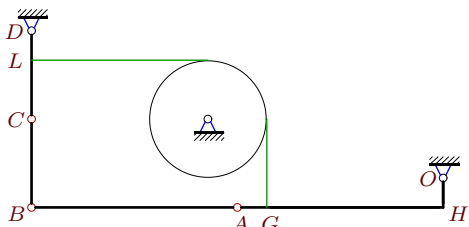


$OE = 6$, $CB = 3$, $AB = 4$, $CD = 5$, $r = 1$, $CH = 4$, $AG = 2$, $GE = 1$, $\omega_{AB} = 2$.

Задача К-28.19.

Евгеньевич

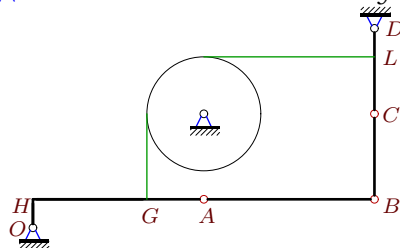
Чудаков Александр



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

Задача К-28.20.

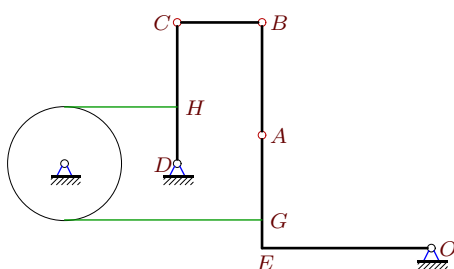
Зуйков Игорь



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

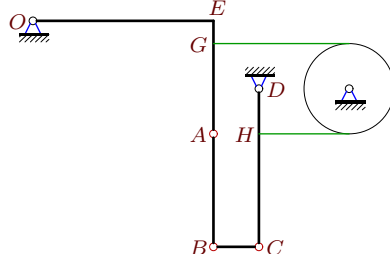
Задача К-28.21.

Ермаков Владимир



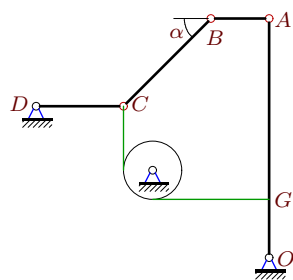
$OE = 6$, $CB = 3$, $AB = 4$, $CD = 5$, $r = 2$, $CH = AG = 3$, $GE = 1$, $\omega_{AB} = 13$.

Задача К-28.22.



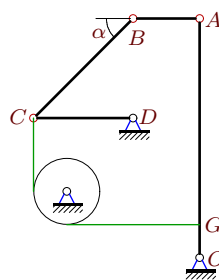
$OE = 8$, $CB = 2$, $AB = 5$, $CD = 7$, $r = 2$, $CH = 5$, $AG = 4$, $GE = 1$, $\omega_{CB} = 40$.

Задача К-28.23.



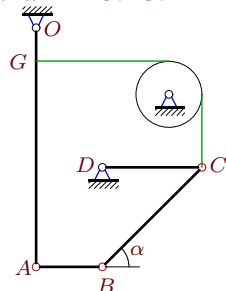
$OA = 8$, $CB = 3\sqrt{2}$, $CD = 3$, $AB = 2$,
 $OG = 2$, $r = 1$, $\omega_{AB} = 15$, $\alpha = 45^\circ$.

Задача К-28.24.



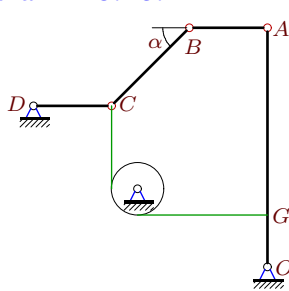
$OA = 7$, $CB = 3\sqrt{2}$, $CD = 3$, $AB = 2$,
 $OG = 1$, $r = 1$, $\omega_{AB} = 12$, $\alpha = 45^\circ$.

Задача К-28.25.



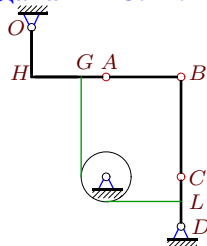
$OA = 7$, $CB = 3\sqrt{2}$, $CD = 3$, $AB = 2$,
 $OG = 1$, $r = 1$, $\omega_{disk} = 3$, $\alpha = 45^\circ$.

Задача К-28.26.



$OA = 9$, $CB = 3\sqrt{2}$, $CD = AB = 3$, $OG = 2$, $r = 1$, $\omega_{disk} = 6$, $\alpha = 45^\circ$.

Задача К-28.27.



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