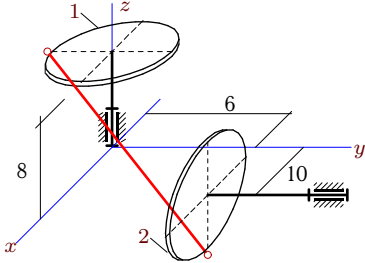


Механизм из 3 тел в пространстве

Механизм состоит из двух дисков, соединенных сферическими шарнирами со стержнем. Оси вращения дисков параллельны соответствующим осям координат, размеры даны в сантиметрах. Известна угловая скорость диска 1. Найти угловую скорость диска 2 в заданном положении механизма.

Задача К-34.1.

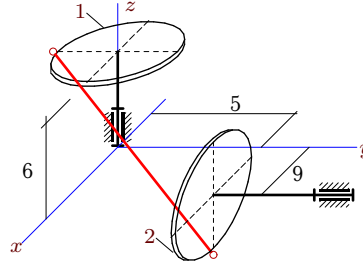
2



$$\omega_{1z} = -8 \text{ с}^{-1}, R_1 = 5, R_2 = 8.$$

Задача К-34.2.

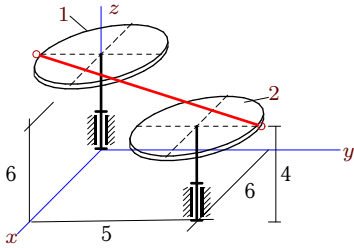
2



$$\omega_{1z} = -8 \text{ с}^{-1}, R_1 = 7, R_2 = 8.$$

Задача К-34.3.

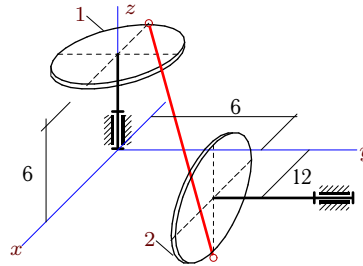
2



$$\omega_{1z} = -10 \text{ с}^{-1}, R_1 = 7, R_2 = 10.$$

Задача К-34.4.

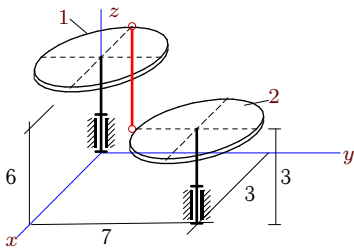
2



$$\omega_{1z} = 9 \text{ с}^{-1}, R_1 = 6, R_2 = 9.$$

Задача К-34.5.

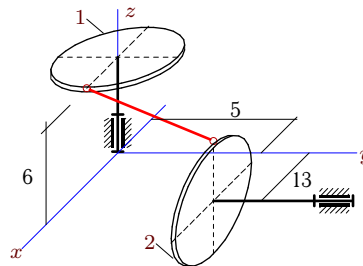
2



$$\omega_{1z} = 48 \text{ с}^{-1}, R_1 = 5, R_2 = 6.$$

Задача К-34.6.

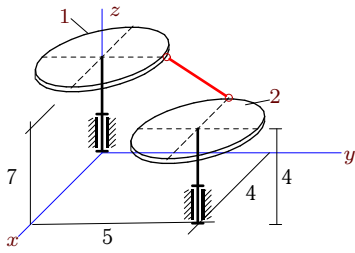
2



$$\omega_{1z} = 11 \text{ с}^{-1}, R_1 = 8, R_2 = 11.$$

Задача К-34.7.

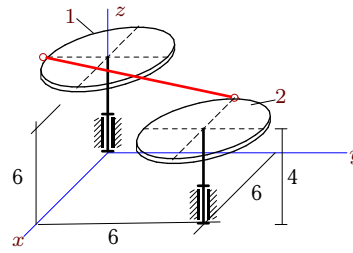
2



$$\omega_{1z} = 10 \text{ c}^{-1}, R_1 = 7, R_2 = 10.$$

Задача К-34.8.

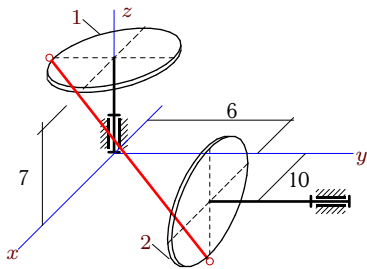
2



$$\omega_{1z} = 44 \text{ c}^{-1}, R_1 = 5, R_2 = 8.$$

Задача К-34.9.

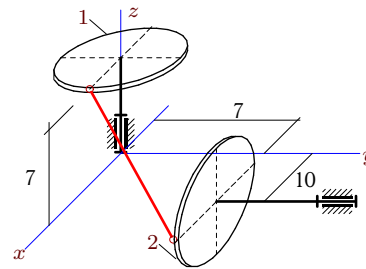
2



$$\omega_{1z} = -4 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

Задача К-34.10.

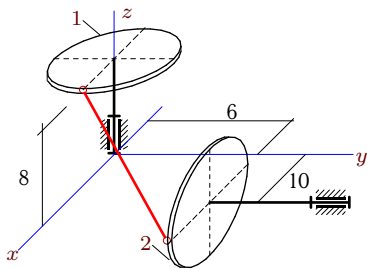
2



$$\omega_{1z} = 3 \text{ c}^{-1}, R_1 = 6, R_2 = 9.$$

Задача К-34.11.

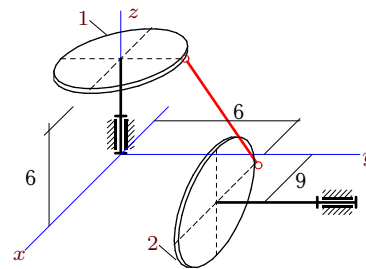
2



$$\omega_{1z} = 2 \text{ c}^{-1}, R_1 = 6, R_2 = 9.$$

Задача К-34.12.

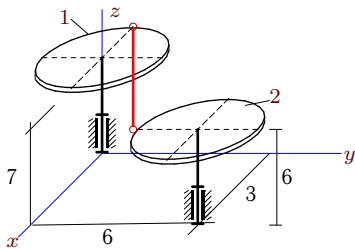
2



$$\omega_{1z} = 21 \text{ c}^{-1}, R_1 = 5, R_2 = 7.$$

Задача К-34.13.

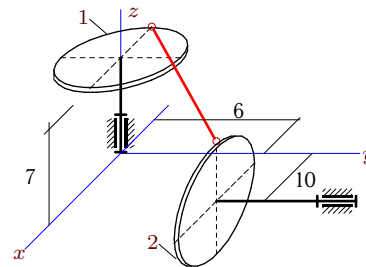
2



$$\omega_{1z} = 21 \text{ c}^{-1}, R_1 = 6, R_2 = 7.$$

Задача К-34.14.

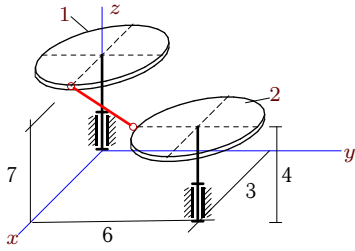
2



$$\omega_{1z} = 32 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

Задача К-34.15.

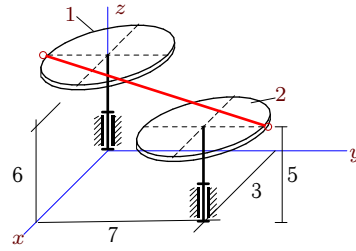
2



$$\omega_{1z} = 8 \text{ c}^{-1}, R_1 = 5, R_2 = 8.$$

Задача К-34.16.

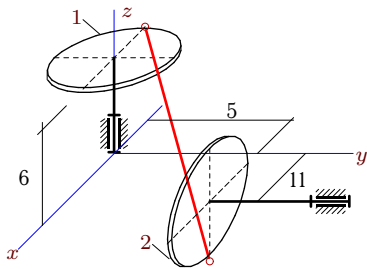
2



$$\omega_{1z} = -7 \text{ c}^{-1}, R_1 = 5, R_2 = 7.$$

Задача К-34.17.

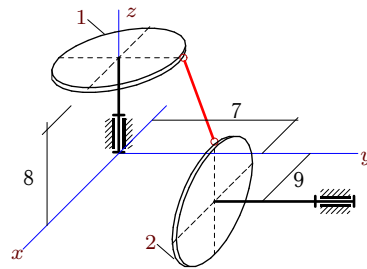
2



$$\omega_{1z} = 68 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

Задача К-34.18.

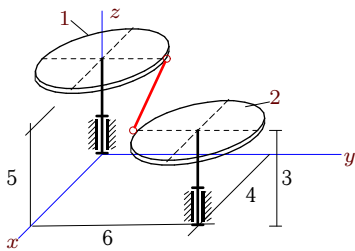
2



$$\omega_{1z} = 7 \text{ c}^{-1}, R_1 = 5, R_2 = 7.$$

Задача К-34.19.

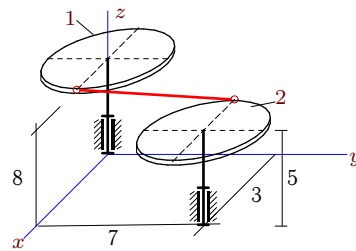
2



$$\omega_{1z} = 8 \text{ c}^{-1}, R_1 = 5, R_2 = 8.$$

Задача К-34.20.

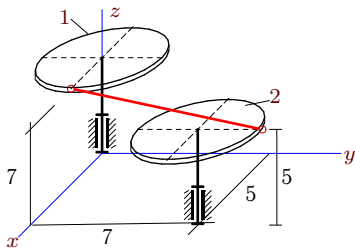
2



$$\omega_{1z} = -3 \text{ c}^{-1}, R_1 = 6, R_2 = 9.$$

Задача К-34.21.

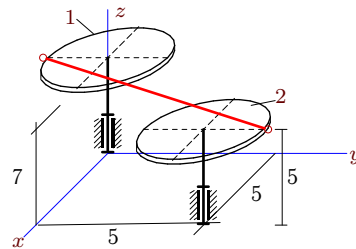
2



$$\omega_{1z} = 0 \text{ c}^{-1}, R_1 = 5, R_2 = 6.$$

Задача К-34.22.

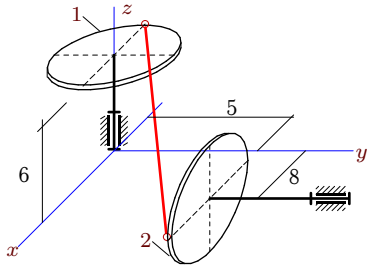
2



$$\omega_{1z} = -11 \text{ c}^{-1}, R_1 = 8, R_2 = 11.$$

Задача К-34.23.

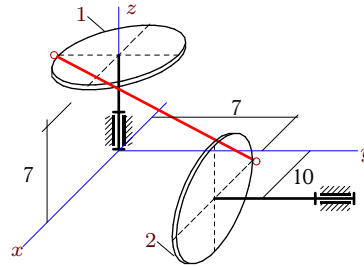
2



$$\omega_{1z} = 42 \text{ c}^{-1}, R_1 = 5, R_2 = 7.$$

Задача К-34.24.

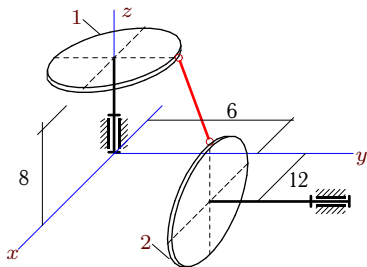
2



$$\omega_{1z} = -9 \text{ c}^{-1}, R_1 = 7, R_2 = 9.$$

Задача К-34.25.

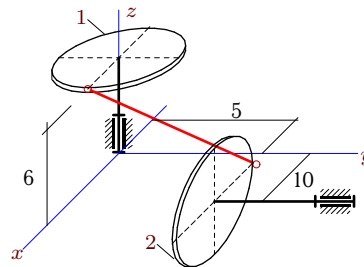
2



$$\omega_{1z} = 9 \text{ c}^{-1}, R_1 = 7, R_2 = 9.$$

Задача К-34.26.

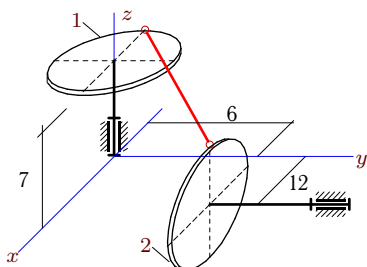
2



$$\omega_{1z} = -54 \text{ c}^{-1}, R_1 = 7, R_2 = 9.$$

Задача К-34.27.

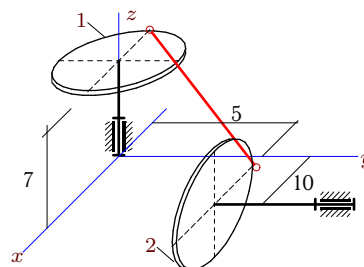
2



$$\omega_{1z} = 57 \text{ c}^{-1}, R_1 = 7, R_2 = 9.$$

Задача К-34.28.

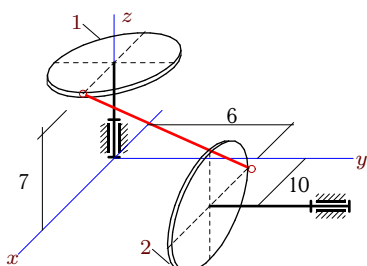
2



$$\omega_{1z} = 28 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

Задача К-34.29.

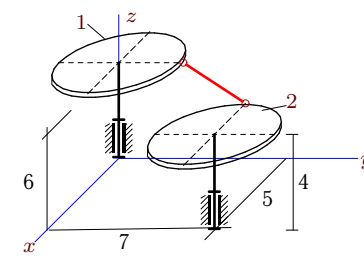
2



$$\omega_{1z} = -14 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

Задача К-34.30.

2



$$\omega_{1z} = -4 \text{ c}^{-1}, R_1 = 6, R_2 = 8.$$

К-34

Ответы.

Механизм из 3 тел в пространстве

18.12.2013

№	ω_{2z}
1	5
2	7
3	7
4	2
5	-5
6	8
7	21
8	5
9	3
10	2
11	1
12	5
13	2
14	-9
15	5
16	5
17	15
18	-5
19	-5
20	2
21	13
22	8
23	-25
24	1
25	-7
26	35
27	-14
28	15
29	9
30	9

К-34 файл о34к2А