

Центр тяжести тела, составленного из пластин

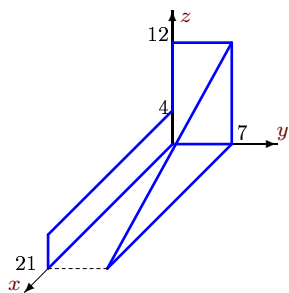
Найти координаты центра тяжести пространственной фигуры, состоящей из трех однородных пластин. Размеры даны в метрах.

Кирсанов М.Н. Теоретическая механика. Сборник задач – М.: Инфра-М, 2014. — 430 с. (с.135)

Кирсанов М.Н. Решения задач по теоретической механике. – М.: Инфра-М, 2015. — 216 с. (с.78)

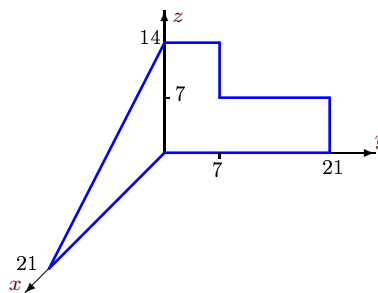
Задача S-19.1.

11



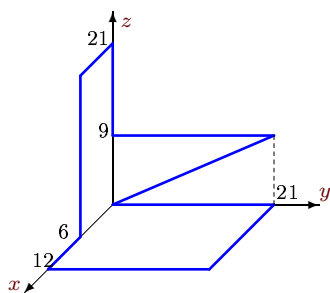
Задача S-19.2.

11



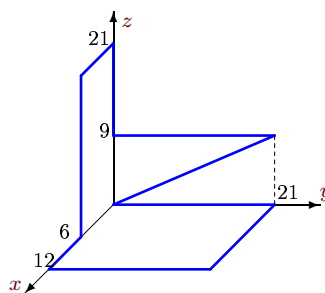
Задача S-19.3.

11



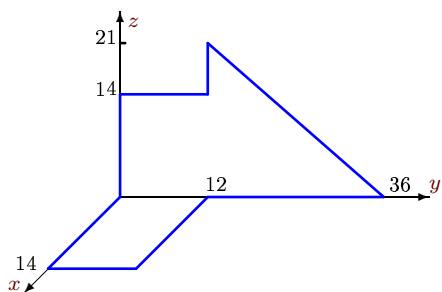
Задача S-19.4.

11



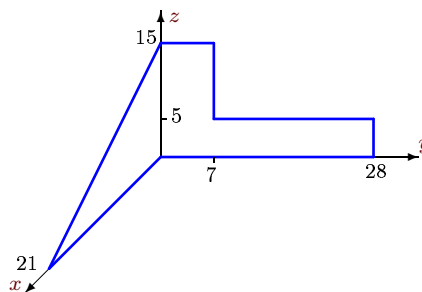
Задача S-19.5.

11



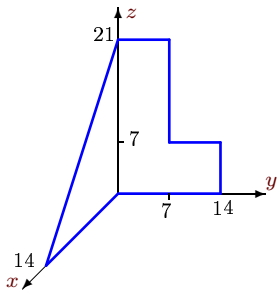
Задача S-19.6.

11



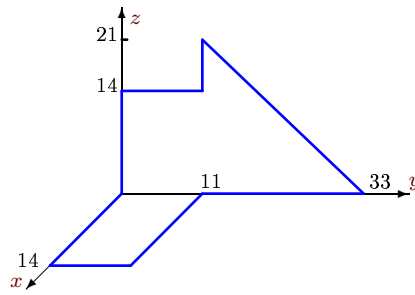
Задача S-19.7.

11



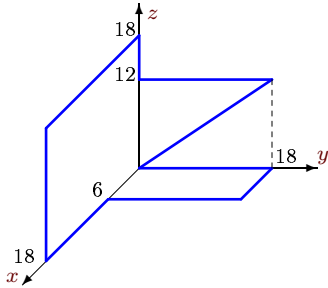
Задача S-19.8.

11



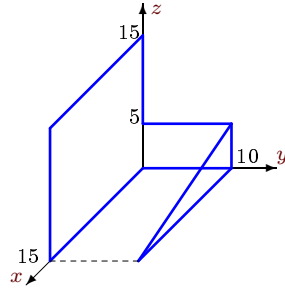
Задача S-19.9.

11



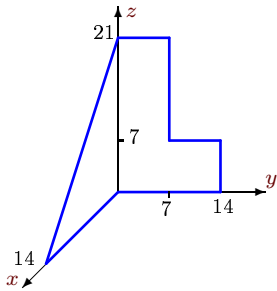
Задача S-19.10.

11



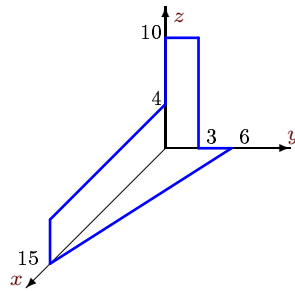
Задача S-19.11.

11



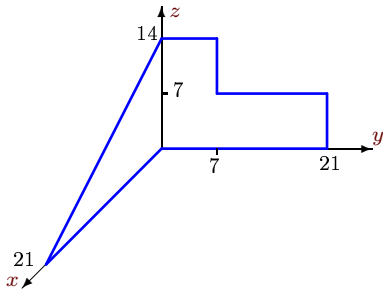
Задача S-19.12.

11



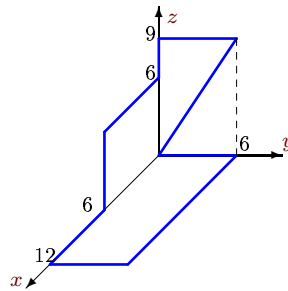
Задача S-19.13.

11



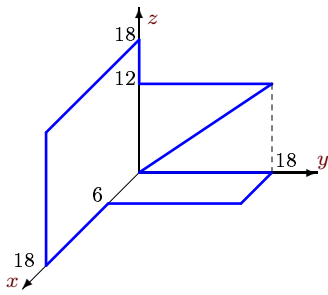
Задача S-19.14.

11



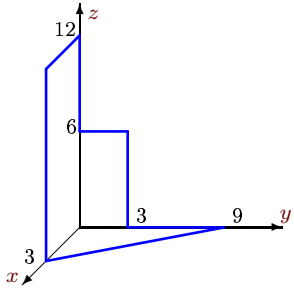
Задача S-19.15.

11



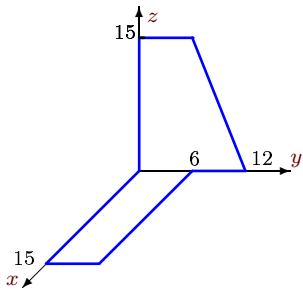
Задача S-19.17.

11



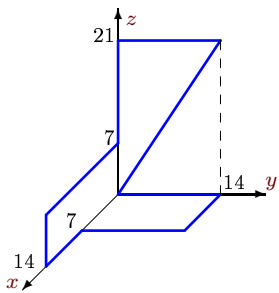
Задача S-19.19.

11



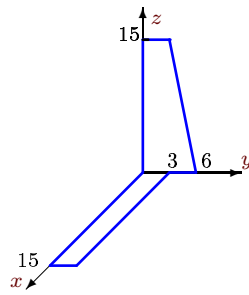
Задача S-19.21.

11



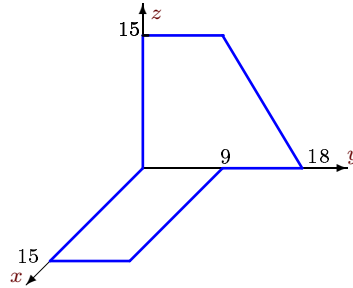
Задача S-19.16.

11



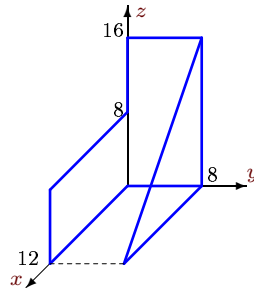
Задача S-19.18.

11



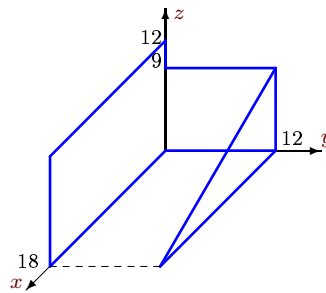
Задача S-19.20.

11



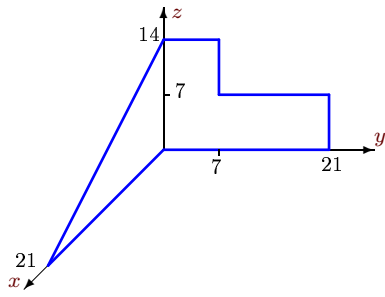
Задача S-19.22.

11



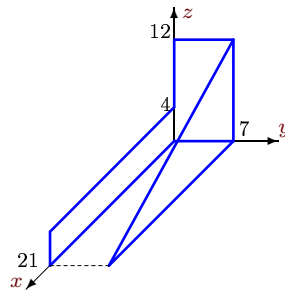
Задача S-19.23.

11



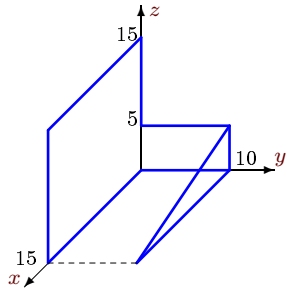
Задача S-19.24.

11



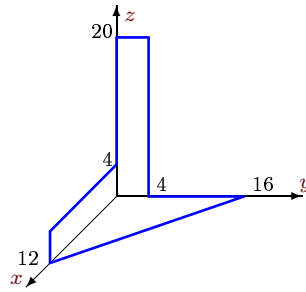
Задача S-19.25.

11



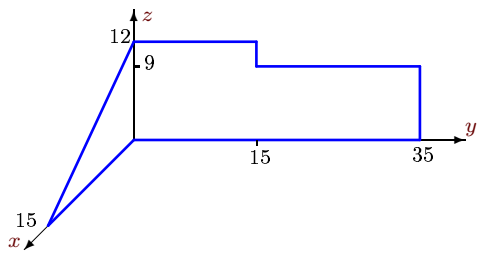
Задача S-19.26.

11



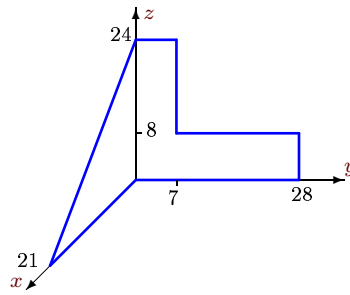
Задача S-19.27.

11



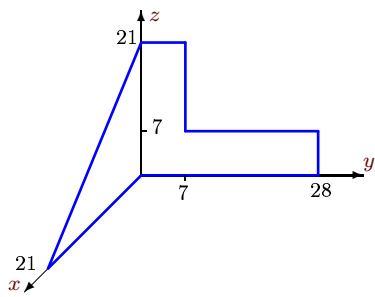
Задача S-19.28.

11



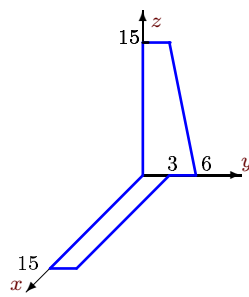
Задача S-19.29.

11



Задача S-19.30.

11



Ответы.**Центр тяжести тела, составленного из пластин**

17.02.2015

№	x_c	y_c	z_c	F
1	6	4	4	294.0
2	3	5	5	343.0
3	4	7	4	472.5
4	4	7	4	472.5
5	2	12	5	588.0
6	3	6	5	367.5
7	2	3	8	343.0
8	2	11	5	539.0
9	6	3	7	540.0
10	6	2	6	312.5
11	2	3	8	343.0
12	5	1	2	135.0
13	3	5	5	343.0
14	4	2	2	135.0
15	6	3	7	540.0
16	3	2	4	112.5
17	1	1	4	67.5
18	3	6	4	337.5
19	3	4	4	225.0
20	3	4	6	320.0
21	3	4	7	343.0
22	6	4	5	405.0
23	3	5	5	343.0
24	6	4	4	294.0
25	6	2	6	312.5
26	3	3	4	224.0
27	1	13	5	450.0
28	3	6	8	588.0
29	3	6	7	514.5
30	3	2	4	112.5

S-19 файл o19s11A