

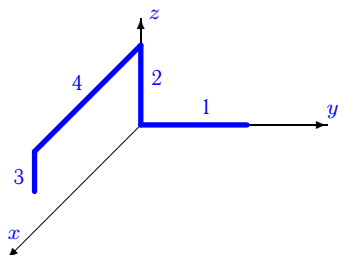
Центр тяжести пространственной стержневой фигуры

Найти координаты центра тяжести пространственной фигуры, состоящей из четырех однородных стержней. Размеры даны в метрах.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.122.)

Задача S-21.1.

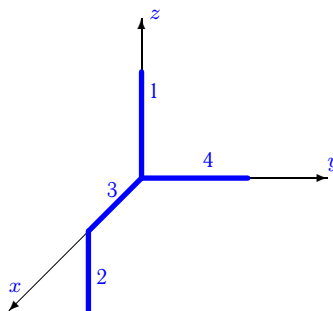
Волкобой Илья



$$l_1 = 10, l_2 = 20, l_3 = 10, l_4 = 10.$$

Задача S-21.2.

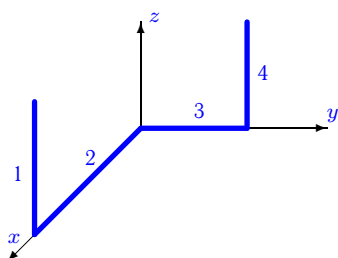
Никитенков Федор



$$l_1 = 12, l_2 = 4, l_3 = 8, l_4 = 8.$$

Задача S-21.3.

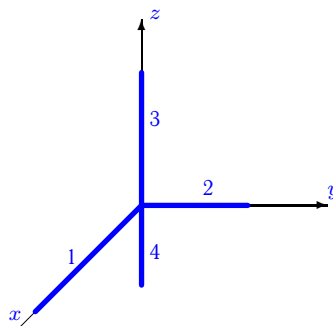
Шубин Станислав



$$l_1 = 12, l_2 = 24, l_3 = 12, l_4 = 24.$$

Задача S-21.4.

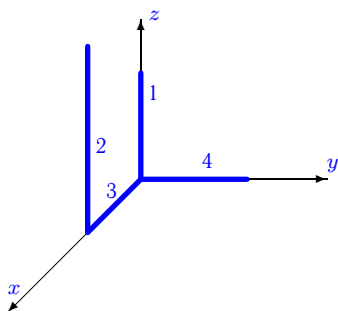
Чумаков Иван



$$l_1 = 10, l_2 = 20, l_3 = 5, l_4 = 15.$$

Задача S-21.5.

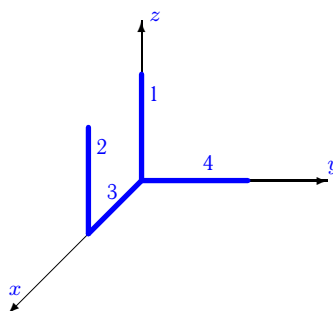
Хачалов Магомед



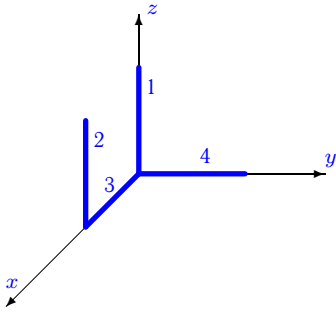
$$l_1 = 10, l_2 = 20, l_3 = 10, l_4 = 10.$$

Задача S-21.6.

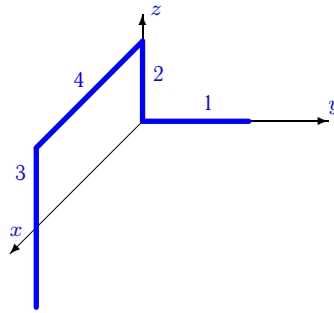
Оршак Сергей



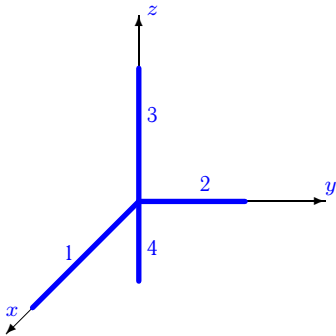
$$l_1 = 10, l_2 = 10, l_3 = 10, l_4 = 20.$$

Задача S-21.7.*Ярилин Иван*

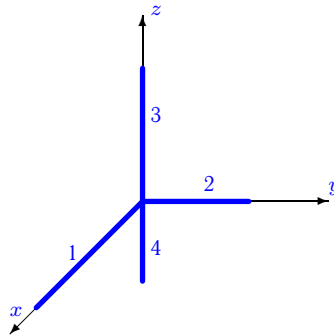
$$l_1 = 6, l_2 = 6, l_3 = 12, l_4 = 12.$$

Задача S-21.8.*Костина Даша*

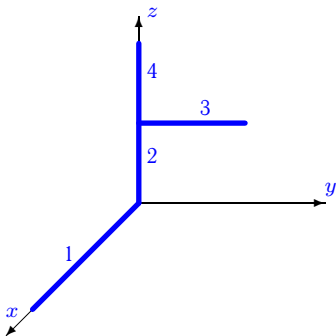
$$l_1 = 12, l_2 = 12, l_3 = 24, l_4 = 24.$$

Задача S-21.9.*Слявин Ярослав*

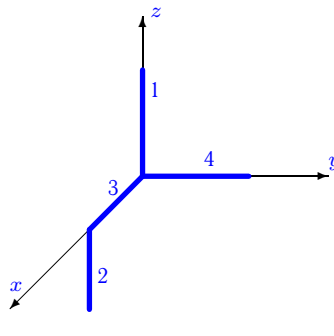
$$l_1 = 12, l_2 = 24, l_3 = 8, l_4 = 28.$$

Задача S-21.10.*Семенова Ирина*

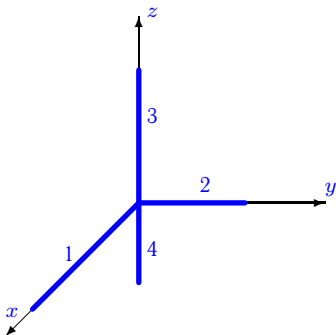
$$l_1 = 12, l_2 = 24, l_3 = 10, l_4 = 26.$$

Задача S-21.11.*Акулина Даша*

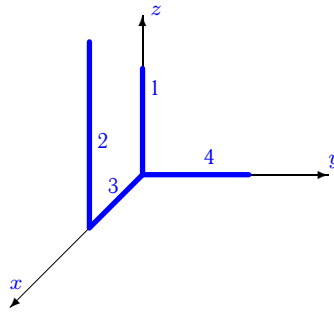
$$l_1 = 12, l_2 = 9, l_3 = 12, l_4 = 3.$$

Задача S-21.12.*Картушин Александр*

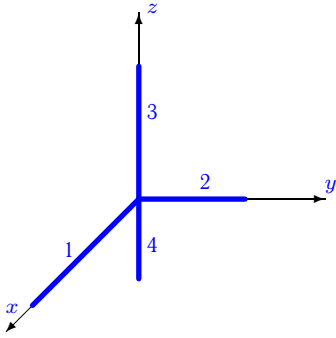
$$l_1 = 12, l_2 = 4, l_3 = 8, l_4 = 8.$$

Задача S-21.13.*Горбатенко Егор*

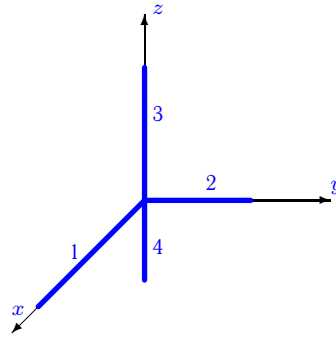
$$l_1 = 12, l_2 = 24, l_3 = 20, l_4 = 16.$$

Задача S-21.14.*Юшин Илья*

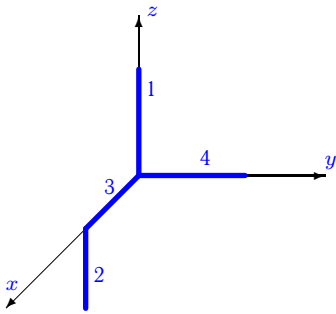
$$l_1 = 10, l_2 = 20, l_3 = 10, l_4 = 10.$$

Задача S-21.15.*Биль Евгений*

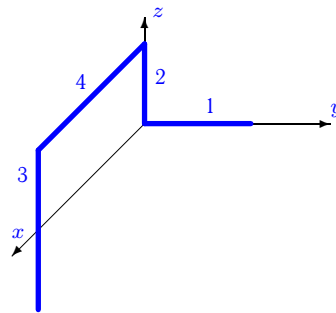
$$l_1 = 12, l_2 = 24, l_3 = 10, l_4 = 26.$$

Задача S-21.16.*Муржи Николай*

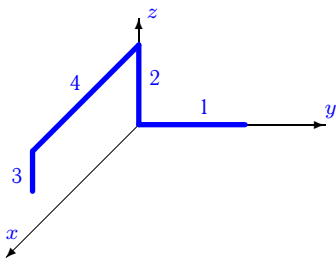
$$l_1 = 12, l_2 = 24, l_3 = 20, l_4 = 16.$$

Задача S-21.17.*Петухов Антон*

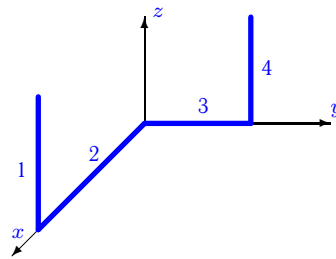
$$l_1 = 12, l_2 = 4, l_3 = 8, l_4 = 8.$$

Задача S-21.18.*Губин Иван*

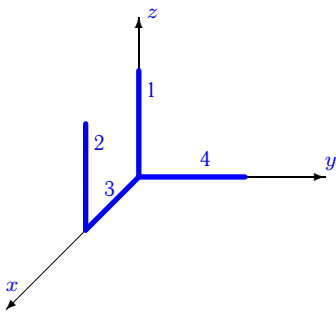
$$l_1 = 10, l_2 = 10, l_3 = 20, l_4 = 10.$$

Задача S-21.19.*Баранов Максим*

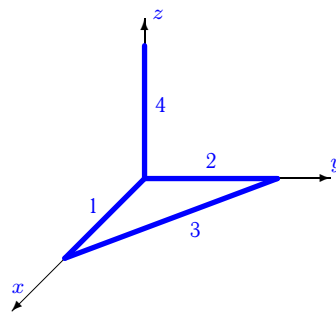
$$l_1 = 10, l_2 = 20, l_3 = 10, l_4 = 10.$$

Задача S-21.20.*Опитев Владислав*

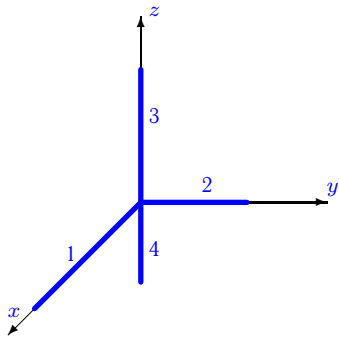
$$l_1 = 20, l_2 = 10, l_3 = 10, l_4 = 10.$$

Задача S-21.21.*Парохин Антон*

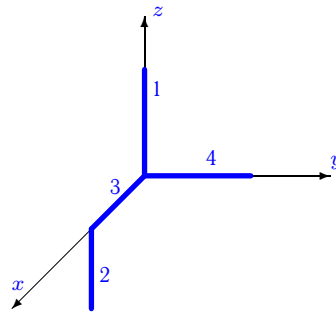
$$l_1 = 10, l_2 = 10, l_3 = 10, l_4 = 20.$$

Задача S-21.22.*Глядяев А.Д.*

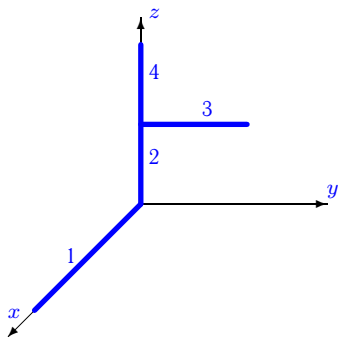
$$l_1 = 9, l_2 = 12, l_3 = 15, l_4 = 18.$$

Задача S-21.23.*Руфин Никита*

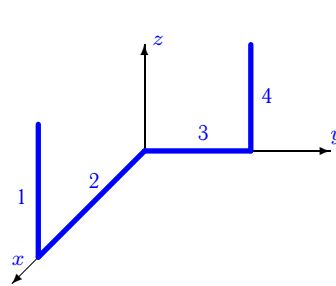
$$l_1 = 10, l_2 = 20, l_3 = 15, l_4 = 5.$$

Задача S-21.24.*Петров Кирилл*

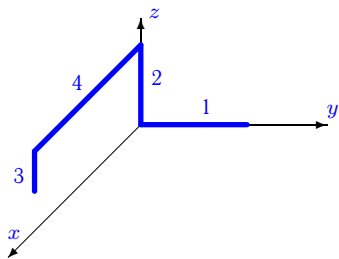
$$l_1 = 20, l_2 = 20, l_3 = 8, l_4 = 16.$$

Задача S-21.25.*Исаков Александр*

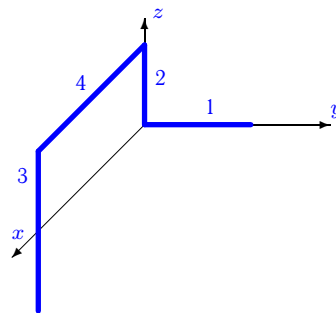
$$l_1 = 8, l_2 = 12, l_3 = 8, l_4 = 4.$$

Задача S-21.26.*Чаймелов Андрей*

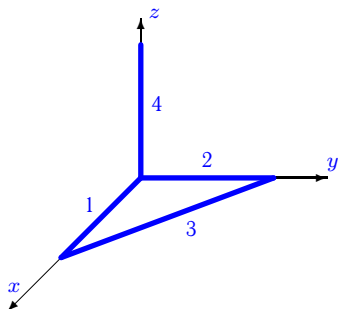
$$l_1 = 20, l_2 = 10, l_3 = 10, l_4 = 10.$$

Задача S-21.27.*Бибирли Эмиль*

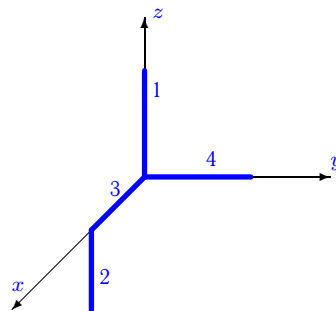
$$l_1 = 10, l_2 = 20, l_3 = 10, l_4 = 10.$$

Задача S-21.28.*Драгин Егор*

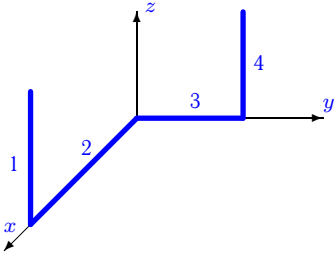
$$l_1 = 16, l_2 = 8, l_3 = 24, l_4 = 16.$$

Задача S-21.29.*Новиков Павел*

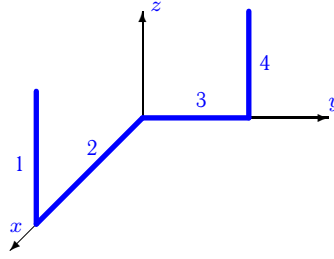
$$l_1 = 9, l_2 = 12, l_3 = 15, l_4 = 18.$$

Задача S-21.30.*Анарбаев Б.*

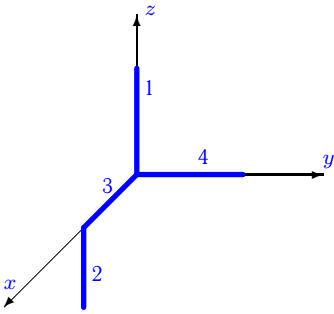
$$l_1 = 2, l_2 = 2, l_3 = 4, l_4 = 8.$$

Задача S-21.31.*Паршин Андрей*

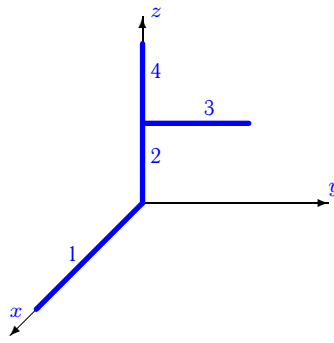
$$l_1 = 20, l_2 = 10, l_3 = 10, l_4 = 10.$$

Задача S-21.32.*Сюлюкин Кирилл*

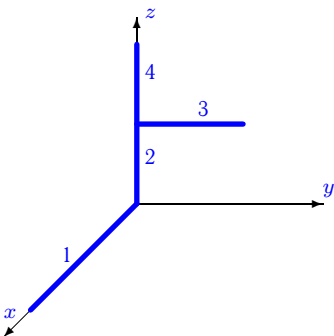
$$l_1 = 24, l_2 = 16, l_3 = 16, l_4 = 8.$$

Задача S-21.33.*Самойлов Никита*

$$l_1 = 3, l_2 = 3, l_3 = 6, l_4 = 6.$$

Задача S-21.34.*Лбова Александра*

$$l_1 = 12, l_2 = 3, l_3 = 12, l_4 = 9.$$

Задача S-21.35.*Пархоменко Иван*

$$l_1 = 8, l_2 = 12, l_3 = 8, l_4 = 4.$$