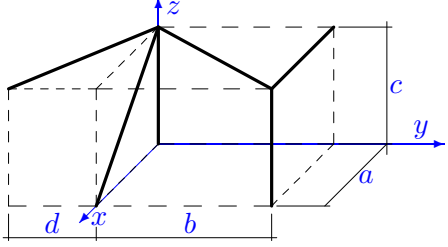
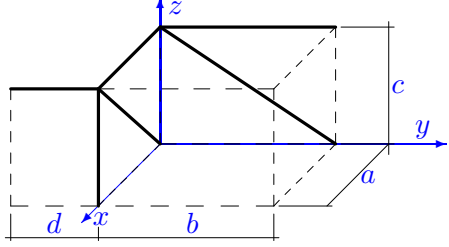
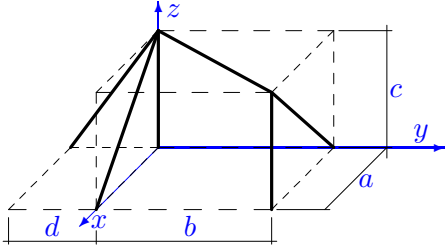
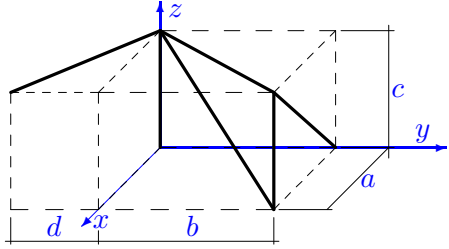
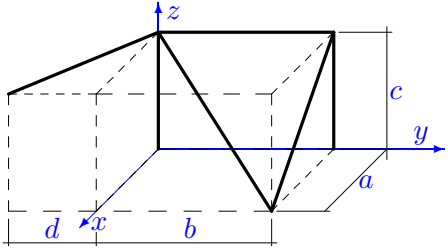
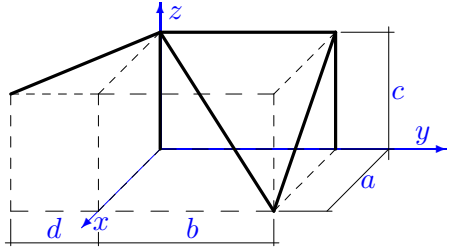
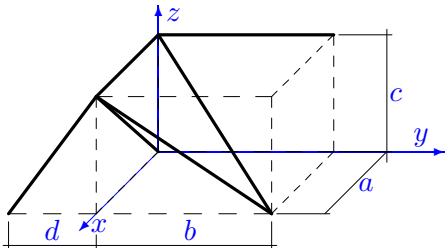
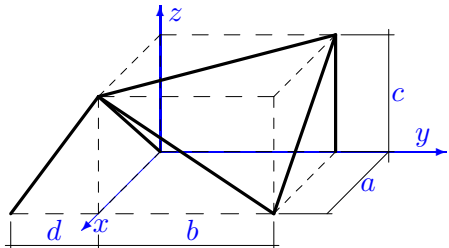
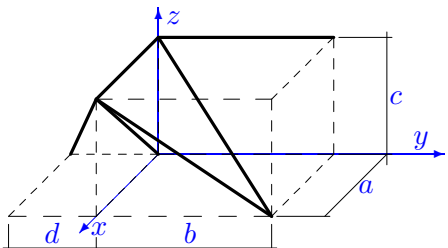
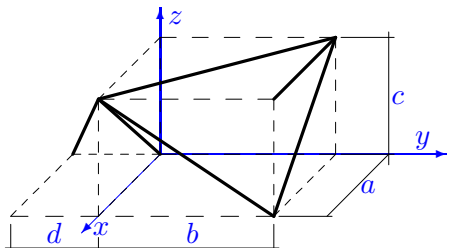


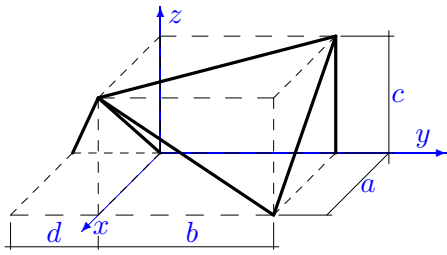
Центр тяжести пространственной стержневой фигуры

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

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.:ФИЗМАТЛИТ, 2002.– 384 с. (с. 122.)

<p>Задача 21.1</p>  <p style="margin-left: 100px;"> $a = 4,$ $b = 6,$ $c = 5,$ $d = 3.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>	<p>Задача 21.2</p>  <p style="margin-left: 100px;"> $a = 3,$ $b = 4,$ $c = 3,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>
<p>Задача 21.3</p>  <p style="margin-left: 100px;"> $a = 4,$ $b = 6,$ $c = 5,$ $d = 3.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>	<p>Задача 21.4</p>  <p style="margin-left: 100px;"> $a = 7,$ $b = 6,$ $c = 5,$ $d = 3.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>
<p>Задача 21.5</p>  <p style="margin-left: 100px;"> $a = 6,$ $b = 5,$ $c = 4,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>	<p>Задача 21.6</p>  <p style="margin-left: 100px;"> $a = 2,$ $b = 3,$ $c = 4,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>
<p>Задача 21.7</p>  <p style="margin-left: 100px;"> $a = 5,$ $b = 4,$ $c = 3,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>	<p>Задача 21.8</p>  <p style="margin-left: 100px;"> $a = 5,$ $b = 4,$ $c = 3,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>
<p>Задача 21.9</p>  <p style="margin-left: 100px;"> $a = 5,$ $b = 4,$ $c = 3,$ $d = 2.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>	<p>Задача 21.10</p>  <p style="margin-left: 100px;"> $a = 4,$ $b = 6,$ $c = 5,$ $d = 4.$ </p> <p style="font-size: small; margin-top: 5px;">21.1</p>

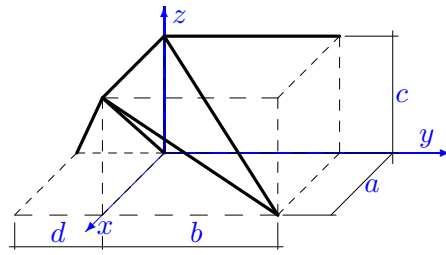
Задача 21.11



$$\begin{aligned} a &= 4, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

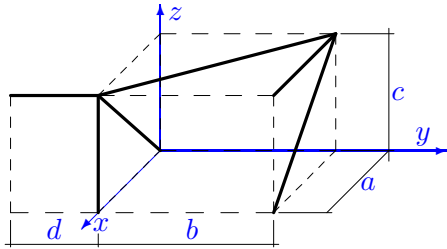
Задача 21.12



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

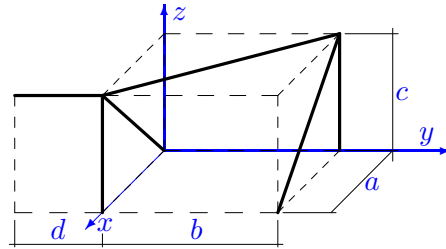
Задача 21.13



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

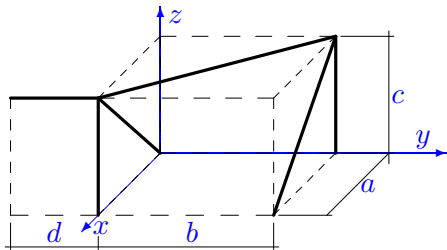
Задача 21.14



$$\begin{aligned} a &= 4, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

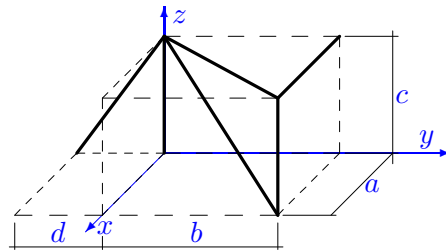
Задача 21.15



$$\begin{aligned} a &= 2, \\ b &= 3, \\ c &= 4, \\ d &= 3. \end{aligned}$$

21.1

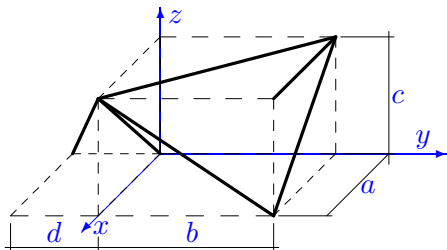
Задача 21.16



$$\begin{aligned} a &= 4, \\ b &= 6, \\ c &= 5, \\ d &= 3. \end{aligned}$$

21.1

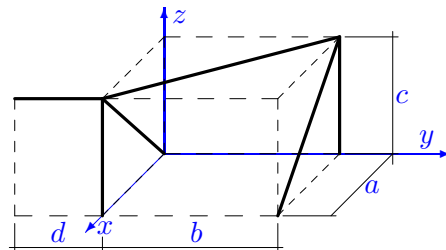
Задача 21.17



$$\begin{aligned} a &= 6, \\ b &= 5, \\ c &= 4, \\ d &= 3. \end{aligned}$$

21.1

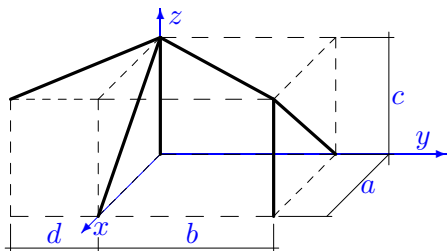
Задача 21.18



$$\begin{aligned} a &= 2, \\ b &= 3, \\ c &= 4, \\ d &= 3. \end{aligned}$$

21.1

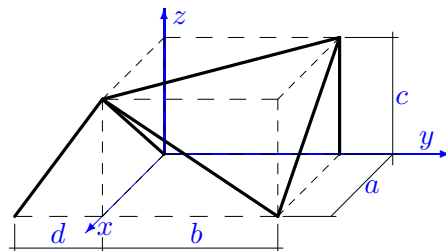
Задача 21.19



$$\begin{aligned} a &= 5, \\ b &= 4, \\ c &= 3, \\ d &= 1. \end{aligned}$$

21.1

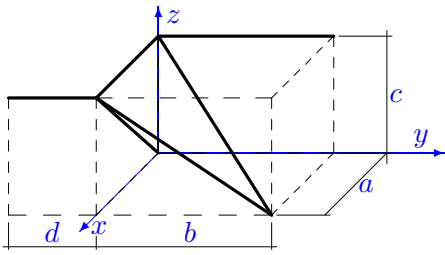
Задача 21.20



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

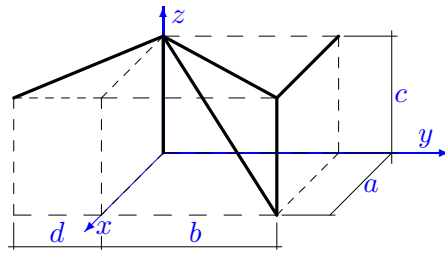
Задача 21.21



$$\begin{aligned} a &= 3, \\ b &= 4, \\ c &= 3, \\ d &= 2. \end{aligned}$$

21.1

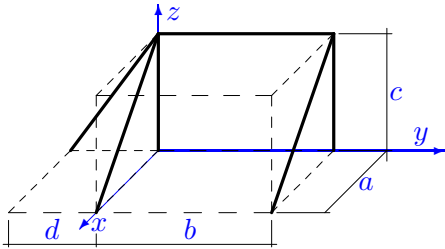
Задача 21.22



$$\begin{aligned} a &= 6, \\ b &= 5, \\ c &= 4, \\ d &= 2. \end{aligned}$$

21.1

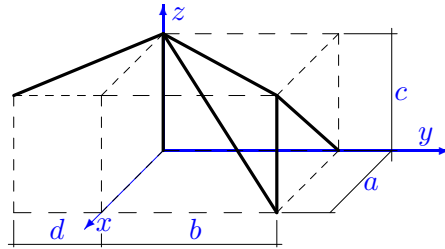
Задача 21.23



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 3. \end{aligned}$$

21.1

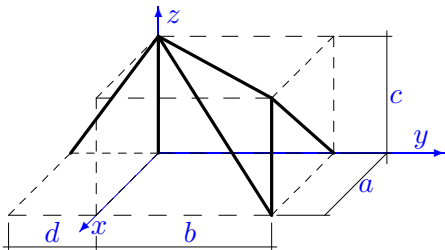
Задача 21.24



$$\begin{aligned} a &= 3, \\ b &= 4, \\ c &= 3, \\ d &= 1. \end{aligned}$$

21.1

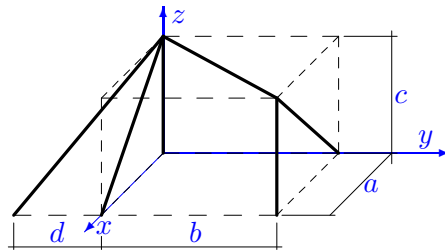
Задача 21.25



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 3. \end{aligned}$$

21.1

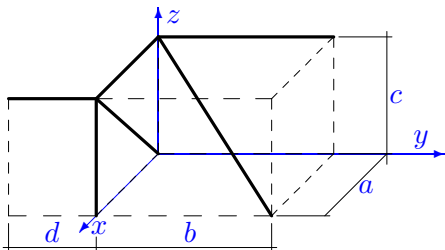
Задача 21.26



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 3. \end{aligned}$$

21.1

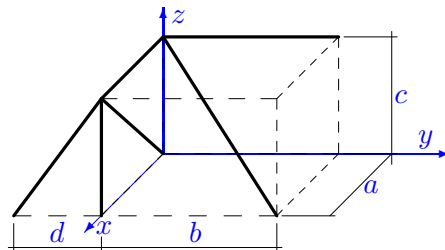
Задача 21.27



$$\begin{aligned} a &= 5, \\ b &= 4, \\ c &= 3, \\ d &= 2. \end{aligned}$$

21.1

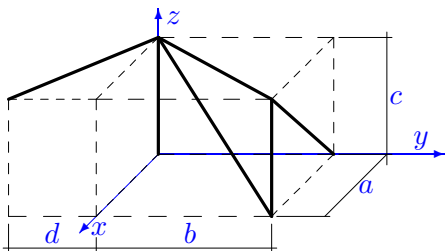
Задача 21.28



$$\begin{aligned} a &= 7, \\ b &= 6, \\ c &= 5, \\ d &= 4. \end{aligned}$$

21.1

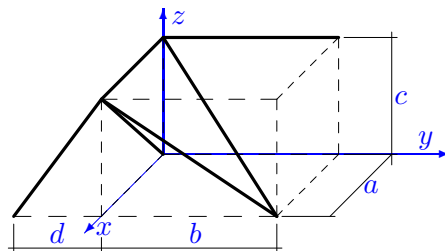
Задача 21.29



$$\begin{aligned} a &= 4, \\ b &= 6, \\ c &= 5, \\ d &= 3. \end{aligned}$$

21.1

Задача 21.30



$$\begin{aligned} a &= 5, \\ b &= 4, \\ c &= 3, \\ d &= 2. \end{aligned}$$

21.1

Центр тяжести пространственной стержневой фигуры

	L	x_c	y_c	z_c
1	32.614	2.000	2.089	3.743
2	21.243	1.218	0.753	2.136
3	35.848	1.675	2.268	3.003
4	45.926	3.500	2.816	3.416
5	35.311	1.896	2.384	2.641
6	23.686	0.536	1.485	2.492
7	30.508	2.877	0.935	1.943
8	29.671	2.972	1.838	1.824
9	33.066	2.576	0.786	1.908
10	39.377	2.397	2.346	3.212
11	40.377	2.139	2.437	2.946
12	49.387	3.628	1.092	3.158
13	42.424	4.243	2.670	3.692
14	34.017	2.235	2.412	3.324
15	23.550	1.127	1.118	2.561
16	35.817	1.674	2.602	3.283
17	42.446	3.453	2.117	2.651
18	23.550	1.127	1.118	2.561
19	29.164	2.500	1.563	2.092
20	45.638	4.207	2.627	3.005
21	24.074	1.687	1.149	2.061
22	36.910	3.000	2.307	3.091
23	39.036	1.543	2.328	2.884
24	24.236	1.500	2.024	2.005
25	44.141	3.038	2.990	3.022
26	45.535	3.500	2.100	3.006
27	26.902	2.593	0.749	2.113
28	43.494	3.935	0.843	3.247
29	37.389	2.000	2.912	3.316
30	30.508	2.877	0.935	1.943