

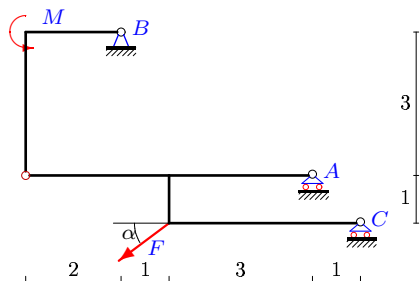
Простая составная конструкция

Определить реакции опор конструкции (в кН), состоящей из двух тел.

Кирсанов М.Н. Задачи по теоретической механике с решениями в Maple 11. – М.: ФИЗМАТЛИТ, 2010. – 264 с. (с.15)

Задача 24.1.

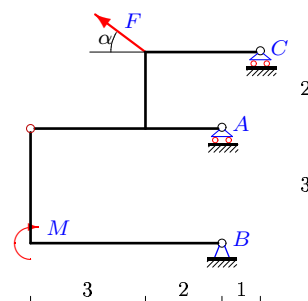
22



$$F = 5 \text{ кН}, M = 10 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.2.

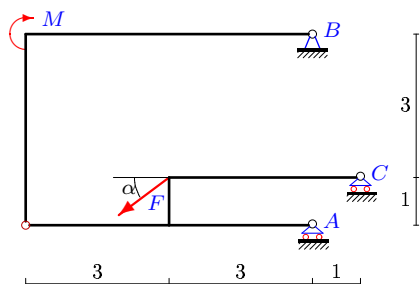
22



$$F = 5 \text{ кН}, M = 22 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.3.

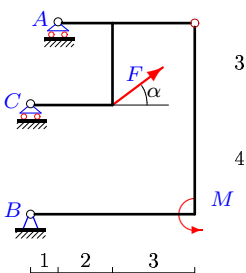
22



$$F = 5 \text{ кН}, M = 14 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.4.

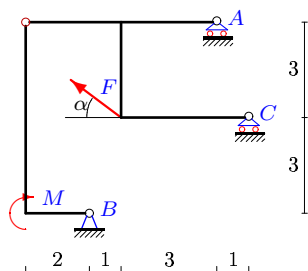
22



$$F = 5 \text{ кН}, M = 40 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.5.

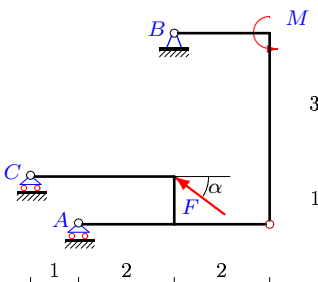
22



$$F = 5 \text{ кН}, M = 22 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.6.

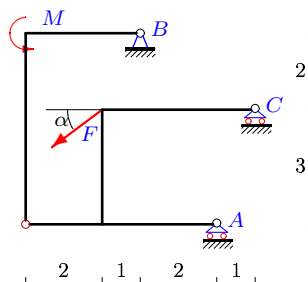
22



$$F = 5 \text{ кН}, M = 12 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.7.

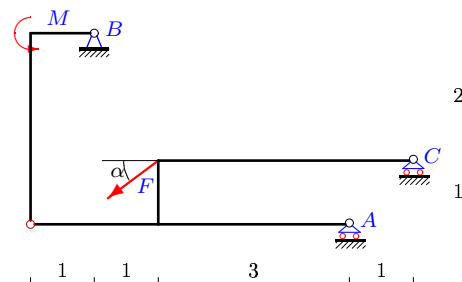
22



$$F = 5 \text{ кН}, M = 14 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.8.

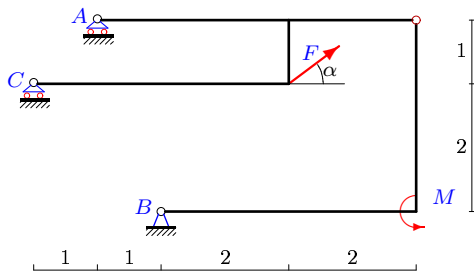
22



$$F = 5 \text{ кН}, M = 11 \text{ кНм}, \cos \alpha = 0,8.$$

Задача 24.9.

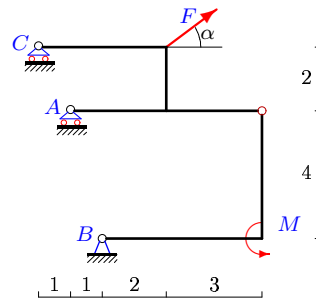
22



$F = 5 \text{ кН}, M = 4 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.10.

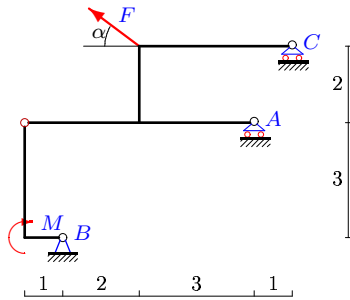
22



$F = 5 \text{ кН}, M = 6 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.11.

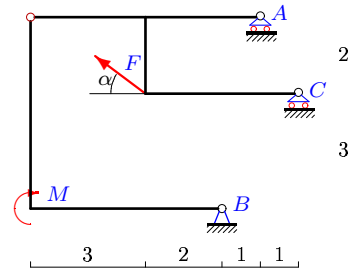
22



$F = 5 \text{ кН}, M = 11 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.12.

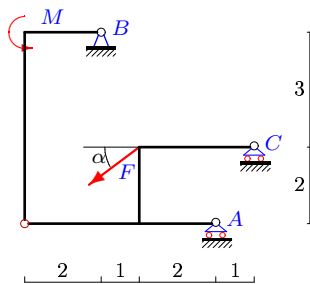
22



$F = 15 \text{ кН}, M = 40 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.13.

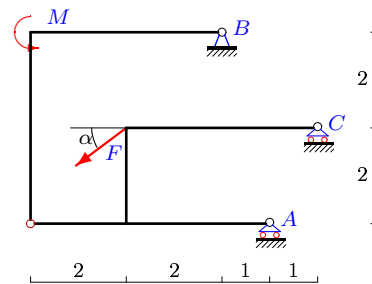
22



$F = 5 \text{ кН}, M = 22 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.14.

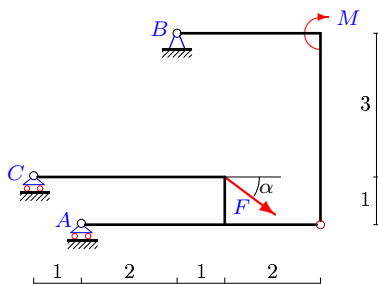
22



$F = 5 \text{ кН}, M = 8 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.15.

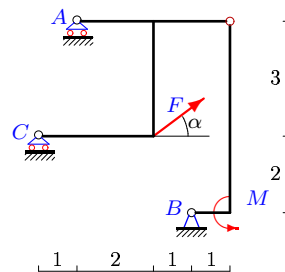
22



$F = 10 \text{ кН}, M = 23 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.16.

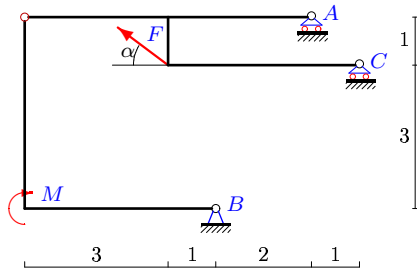
22



$F = 5 \text{ кН}, M = 21 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.17.

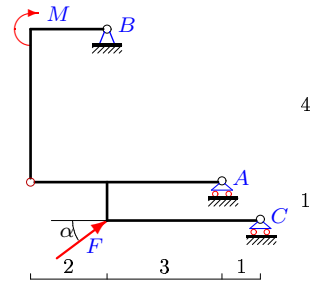
22



$F = 15 \text{ кН}, M = 32 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.18.

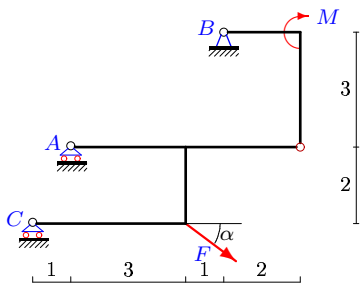
22



$F = 5 \text{ кН}, M = 20 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.19.

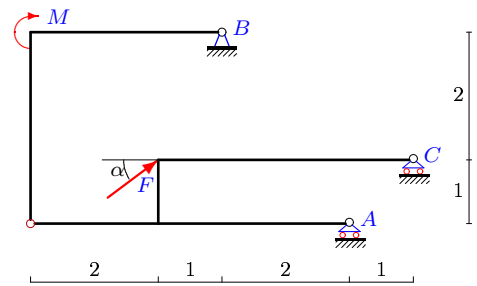
22



$F = 5 \text{ кН}, M = 10 \text{ кНм}, \cos \alpha = 0,8.$

Задача 24.20.

22



$F = 5 \text{ кН}, M = 21 \text{ кНм}, \cos \alpha = 0,8.$

S-24

Ответы.

Простая составная конструкция

22-Nov-22

№	X_A	Y_A	X_B	Y_B	Y_C	M_B	Y_D
1	-	1	4	1	1	-	-
2	-	-13	4	2	8	-	-
3	-	-19	4	5	17	-	-
4	-	-33	-4	2	28	-	-
5	-	-17	4	-1	15	-	-
6	-	-3	4	-2	2	-	-
7	-	12	4	2	-11	-	-
8	-	10	4	1	-8	-	-
9	-	-4	-4	-2	3	-	-
10	-	10	-4	-2	-11	-	-
11	-	3	4	-1	-5	-	-
12	-	-32	12	-4	27	-	-
13	-	23	4	-1	-19	-	-
14	-	8	4	2	-7	-	-
15	-	14	-8	3	-11	-	-
16	-	-26	-4	1	22	-	-
17	-	-20	12	-4	15	-	-
18	-	-20	-4	2	15	-	-
19	-	-3	-4	1	5	-	-
20	-	-34	-4	3	28	-	-

S-24 файл 24s22WC