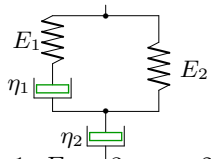
Структурные модели среды

Вывести определяющее уравнение среды.

Модули упругости и коэффициенты вязкости даны в безразмерном виде. В ответах приведены коэффициенты уравнения

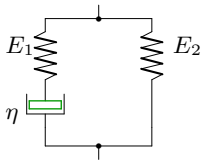
$$A_2\ddot{\sigma} + A_1\dot{\sigma} + A_0\sigma = B_2\ddot{\varepsilon} + B_1\dot{\varepsilon} + B_0\varepsilon.$$

Вариант 1
*C***2.**



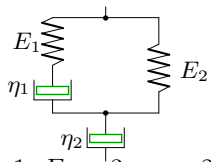
$E_1 = 1,\ E_2 = 3,\ \eta_1 = 2,\ \eta_2 = 1.$

Вариант 2
*C***2.**



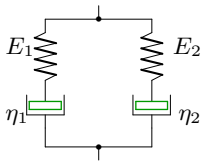
$E_1 = 2,\ E_2 = 3,\ \eta = 1$

Вариант 3
*C***2.**



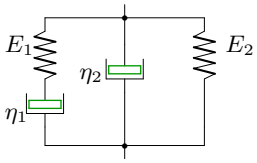
$E_1 = 1,\ E_2 = 3,\ \eta_1 = 2,\ \eta_2 = 4.$

Вариант 4
*C***2.**



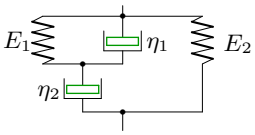
$E_1 = 2,\ E_2 = 1,\ \eta_1 = 2,\ \eta_2 = 1.$

Вариант 5
*C***2.**



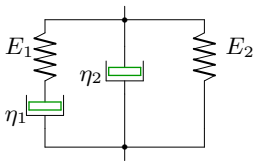
$E_1 = 2,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 6
*C***2.**



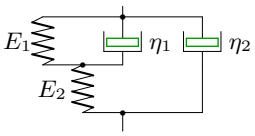
$E_1 = 2,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 7
*C***2.**



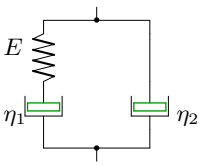
$E_1 = 2,\ E_2 = 1,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 8
*C***2.**



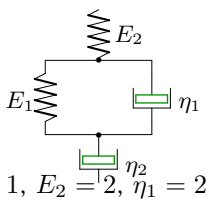
$E_1 = 2,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 9
*C***2.**



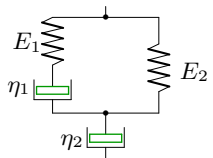
$E = 1,\ \eta_1 = 2,\ \eta_2 = 1.$

Вариант 10
*C***2.**



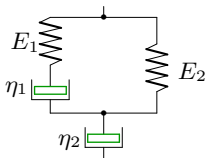
$E_1 = 1,\ E_2 = 2,\ \eta_1 = 2,\ \eta_2 = 1.$

Вариант 11
*C***2.**



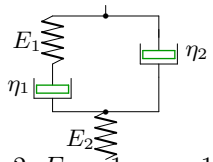
$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 12
*C***2.**



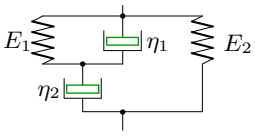
$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 13
*C***2.**



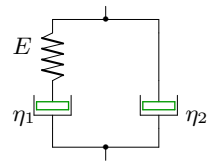
$E_1 = 2,\ E_2 = 1,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 14
*C***2.**



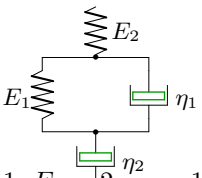
$E_1 = 2,\ E_2 = 1,\ \eta_1 = 2,\ \eta_2 = 4.$

Вариант 15
*C***2.**



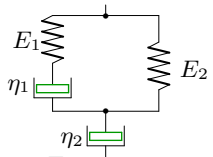
$E = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 16
*C***2.**



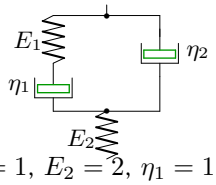
$E_1 = 1,\ E_2 = 2,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 17
*C***2.**



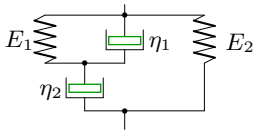
$E_1 = 2,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 18
*C***2.**



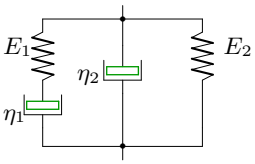
$E_1 = 1,\ E_2 = 2,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 19
*C***2.**



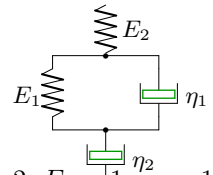
$E_1 = 2,\ E_2 = 1,\ \eta_1 = 2,\ \eta_2 = 1.$

Вариант 20
*C***2.**



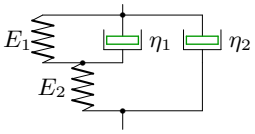
$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 21
*C***2.**



$E_1 = 2,\ E_2 = 1,\ \eta_1 = 1,\ \eta_2 = 4.$

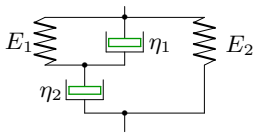
Вариант 22
*C***2.**



$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 23

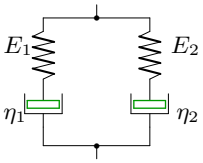
C2.



$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 24

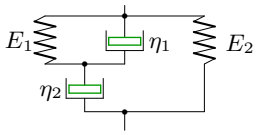
C2.



$E_1 = 2,\ E_2 = 1,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 25

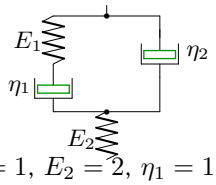
C2.



$E_1 = 2,\ E_2 = 3,\ \eta_1 = 2,\ \eta_2 = 4.$

Вариант 26

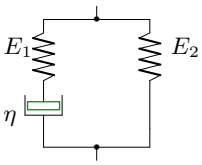
C2.



$E_1 = 1,\ E_2 = 2,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 27

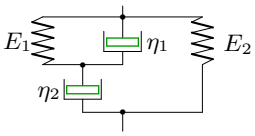
C2.



$E_1 = 1,\ E_2 = 2,\ \eta = 2$

Вариант 28

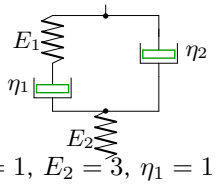
C2.



$E_1 = 2,\ E_2 = 1,\ \eta_1 = 1,\ \eta_2 = 2.$

Вариант 29

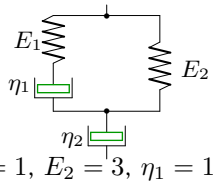
C2.



$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Вариант 30

C2.



$E_1 = 1,\ E_2 = 3,\ \eta_1 = 1,\ \eta_2 = 4.$

Ответы

	A_2	A_1	A_0	B_2	B_1	B_0
1	2	9	3	8	3	0
2	0	1	2	0	5	6
3	8	12	3	32	12	0
4	2	4	2	6	6	0
5	0	1	2	4	13	6
6	0	5	2	4	23	6
7	0	1	2	2	7	2
8	0	1	5	2	13	6
9	0	2	1	2	3	0
10	2	7	2	4	2	0
11	4	8	3	16	12	0
12	4	8	3	16	12	0
13	2	7	2	2	6	0
14	0	6	2	8	14	2
15	0	1	3	4	15	0
16	2	8	2	4	4	0
17	2	9	6	10	12	0
18	4	7	2	8	10	0
19	0	3	2	2	5	2
20	0	1	1	2	6	3
21	4	13	2	4	8	0
22	0	1	4	2	11	3
23	0	5	1	4	19	3
24	4	9	2	12	10	0
25	0	6	2	8	26	6
26	4	7	2	8	10	0
27	0	2	1	0	6	2
28	0	3	2	2	7	2
29	4	8	3	12	15	0
30	4	8	3	16	12	0