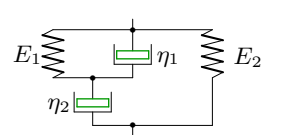
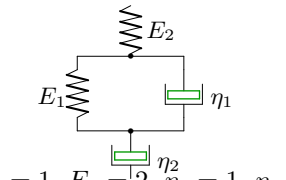
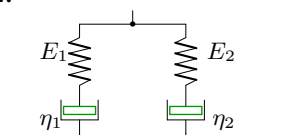
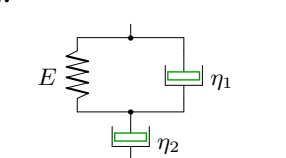
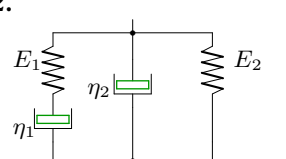
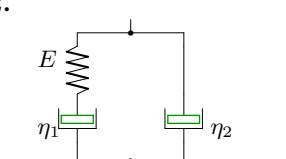
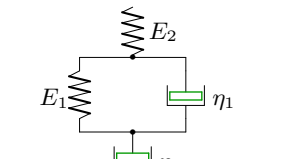
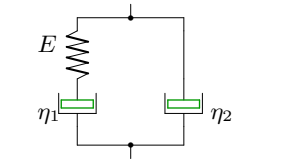
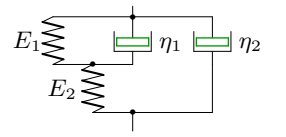
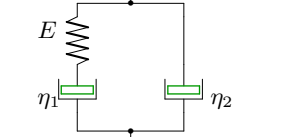


## Структурные модели среды

Вывести определяющее уравнение среды.

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

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

<p><b>Вариант 1</b> C2.</p>  <p><math>E_1 = 1, E_2 = 2, \eta_1 = 1, \eta_2 = 4.</math></p>	<p><b>Вариант 2</b> C2.</p>  <p><math>E_1 = 1, E_2 = 2, \eta_1 = 1, \eta_2 = 2.</math></p>
<p><b>Вариант 3</b> C2.</p>  <p><math>E_1 = 2, E_2 = 1, \eta_1 = 2, \eta_2 = 1.</math></p>	<p><b>Вариант 4</b> C2.</p>  <p><math>E = 1, \eta_1 = 1, \eta_2 = 2.</math></p>
<p><b>Вариант 5</b> C2.</p>  <p><math>E_1 = 1, E_2 = 3, \eta_1 = 1, \eta_2 = 4.</math></p>	<p><b>Вариант 6</b> C2.</p>  <p><math>E = 1, \eta_1 = 1, \eta_2 = 2.</math></p>
<p><b>Вариант 7</b> C2.</p>  <p><math>E_1 = 2, E_2 = 1, \eta_1 = 1, \eta_2 = 2.</math></p>	<p><b>Вариант 8</b> C2.</p>  <p><math>E = 1, \eta_1 = 1, \eta_2 = 4.</math></p>
<p><b>Вариант 9</b> C2.</p>  <p><math>E_1 = 1, E_2 = 2, \eta_1 = 1, \eta_2 = 4.</math></p>	<p><b>Вариант 10</b> C2.</p>  <p><math>E = 1, \eta_1 = 2, \eta_2 = 4.</math></p>

**Вариант 11**  
C2.

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

**Вариант 12**  
C2.

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

**Вариант 13**  
C2.

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

**Вариант 14**  
C2.

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

**Вариант 15**  
C2.

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

**Вариант 16**  
C2.

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

**Вариант 17**  
C2.

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

**Вариант 18**  
C2.

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

**Вариант 19**  
C2.

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

**Вариант 20**  
C2.

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

**Вариант 21**  
C2.

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

**Вариант 22**  
C2.

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

**Вариант 23**  
C2.

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

**Вариант 24**  
C2.

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

**Вариант 25**  
C2.

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

**Вариант 26**  
C2.

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

**Вариант 27**  
C2.

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

**Вариант 28**  
C2.

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

**Вариант 29**  
C2.

$E = 2, \eta_1 = 2, \eta_2 = 4.$

**Вариант 30**  
C2.

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

Ответы

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