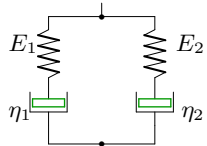
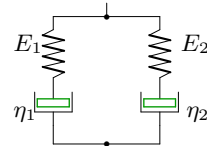
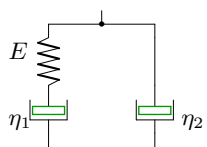
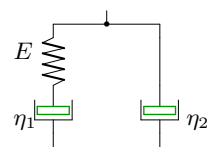
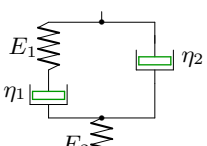
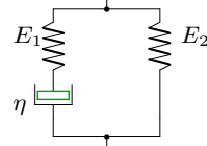
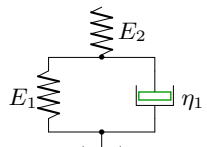
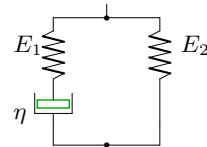
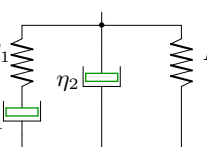
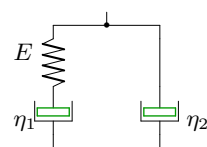


## Структурные модели среды

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

**Вариант 11**  
C2.

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

**Вариант 12**  
C2.

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

**Вариант 13**  
C2.

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

**Вариант 14**  
C2.

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

**Вариант 15**  
C2.

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

**Вариант 16**  
C2.

$E = 3, \eta_1 = 2, \eta_2 = 1.$

**Вариант 17**  
C2.

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

**Вариант 18**  
C2.

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

**Вариант 19**  
C2.

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

**Вариант 20**  
C2.

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

**Вариант 21**  
C2.

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

**Вариант 22**  
C2.

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

**Вариант 23**  
C2.

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

**Вариант 24**  
C2.

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

**Вариант 25**  
C2.

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

**Вариант 26**  
C2.

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

**Вариант 27**  
C2.

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

**Вариант 28**  
C2.

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

**Вариант 29**  
C2.

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

**Вариант 30**  
C2.

$E = 3, \eta_1 = 1, \eta_2 = 2.$

Ответы

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