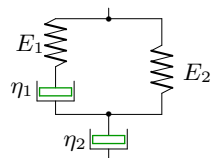
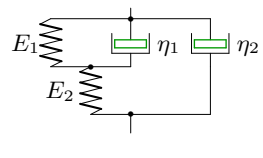
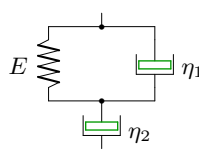
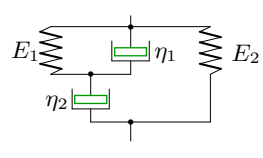
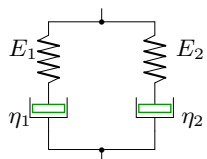
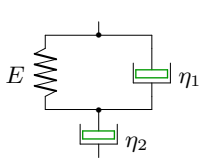
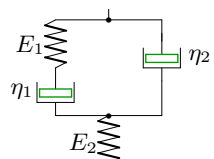
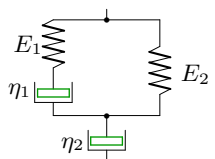
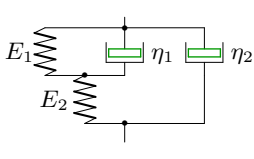
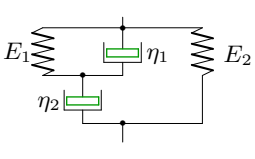


## Структурные модели среды

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

**Вариант 11**  
C2.

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

**Вариант 12**  
C2.

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

**Вариант 13**  
C2.

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

**Вариант 14**  
C2.

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

**Вариант 15**  
C2.

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

**Вариант 16**  
C2.

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

**Вариант 17**  
C2.

$E = 3, \eta_1 = 2, \eta_2 = 4.$

**Вариант 18**  
C2.

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

**Вариант 19**  
C2.

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

**Вариант 20**  
C2.

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

**Вариант 21**  
C2.

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

**Вариант 22**  
C2.

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

**Вариант 23**  
C2.

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

**Вариант 24**  
C2.

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

**Вариант 25**  
C2.

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

**Вариант 26**  
C2.

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

**Вариант 27**  
C2.

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

**Вариант 28**  
C2.

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

**Вариант 29**  
C2.

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

**Вариант 30**  
C2.

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

Ответы

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