

Структурные модели среды

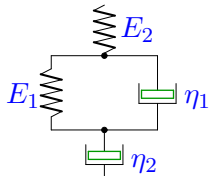
Вывести определяющее уравнение среды.

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

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

Задача 2.1.

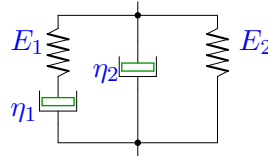
Бабин Владимир



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

Задача 2.2.

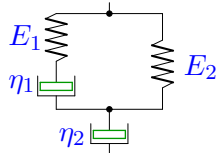
Бабкин Иван



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

Задача 2.3.

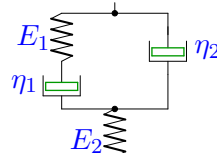
Березников Владислав



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

Задача 2.4.

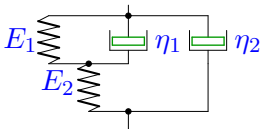
Бичарова Полина



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

Задача 2.5.

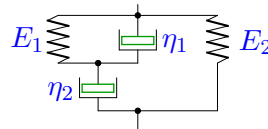
Болоненкова Александра



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

Задача 2.6.

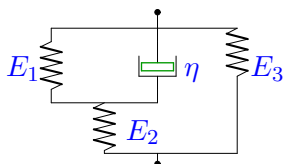
Васютин Анастасия



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

Задача 2.7.

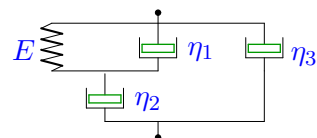
Ватаманюк Владислав



$$E_1 = 2, E_2 = 3, E_3 = 4, \eta = 1,$$

Задача 2.8.

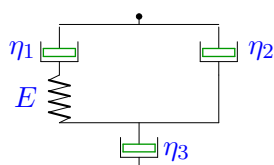
Витнов Станислав



$$\eta_1 = 4, \eta_2 = 2, \eta_3 = 1, E = 3,$$

Задача 2.9.

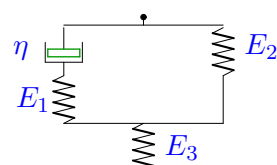
Иксанов Ильяс



$$\eta_1 = 4, \eta_2 = 4, \eta_3 = 5, E = 4,$$

Задача 2.10.

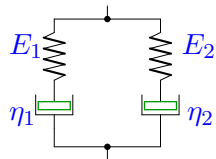
Керимов Эльдар



$$\eta = 4, E_1 = 3, E_2 = 3, E_3 = 1,$$

Задача 2.11.

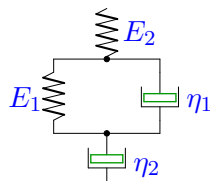
Кучеров Егор



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

Задача 2.12.

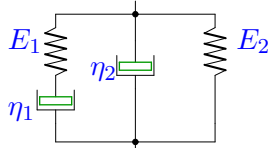
Луговская Мария



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

Задача 2.13.

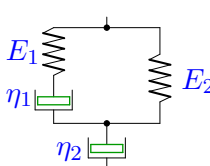
Луканин Павел



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

Задача 2.14.

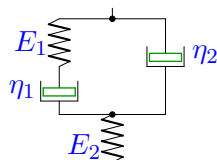
Метакса Даниэль



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

Задача 2.15.

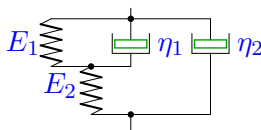
Павлов Даниил



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

Задача 2.16.

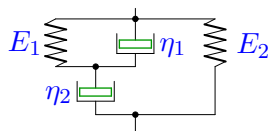
Першина Дарья



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

Задача 2.17.

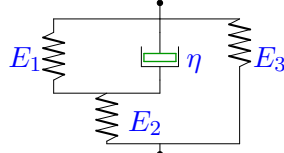
Селезнев Кирилл



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

Задача 2.18.

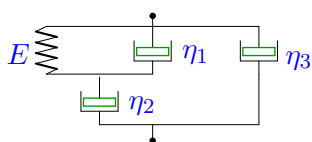
Сморчков Денис



$$E_1 = 1, E_2 = 4, E_3 = 2, \eta = 1,$$

Задача 2.19.

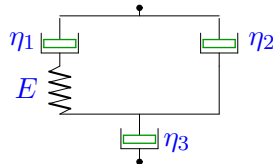
Степкин Глеб



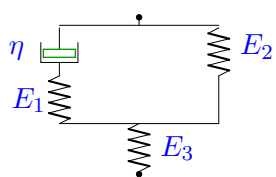
$$\eta_1 = 2, \eta_2 = 4, \eta_3 = 1, E = 2,$$

Задача 2.20.

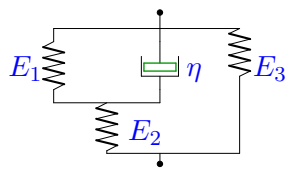
Фокин Глеб



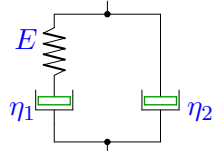
$$\eta_1 = 1, \eta_2 = 2, \eta_3 = 4, E = 2,$$

Задача 2.21.*Чистова Аліса*

$$\eta = 4, E_1 = 4, E_2 = 3, E_3 = 1,$$

Задача 2.22.*Швец Катерина*

$$E_1 = 2, E_2 = 4, E_3 = 3, \eta = 1,$$

Задача 2.23.*Яремчук Катерина*

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