

Структурные модели среды

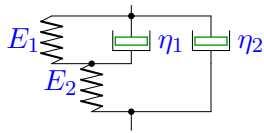
Вывести определяющее уравнение среды.

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

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

Задача М2.1.

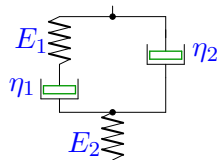
Аленичев Вячеслав



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

Задача М2.2.

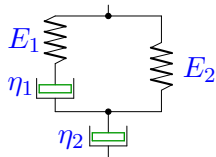
Андреев Игорь



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

Задача М2.3.

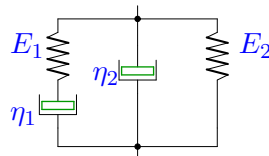
Бастрыгин Андрей



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

Задача М2.4.

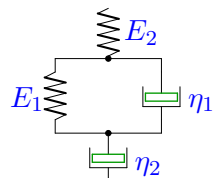
Белянкин Никита



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

Задача М2.5.

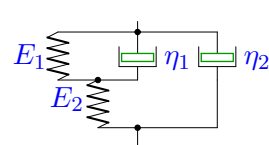
Бойко Андрей



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

Задача М2.6.

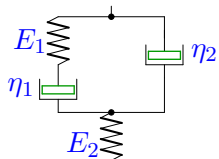
Горбунова Алиса



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

Задача М2.7.

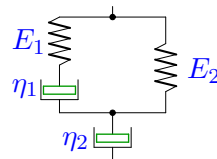
Иванова Любовь



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

Задача М2.8.

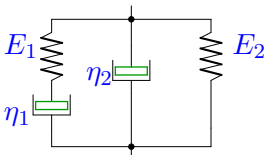
Коржова Валерия



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

Задача М2.9.

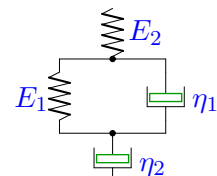
Лафицкова Марина



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

Задача М2.10.

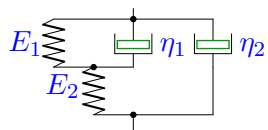
Лепетюха Варвара



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

Задача М2.11.

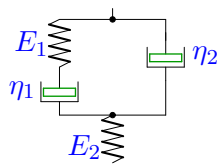
Лукина Валерия



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

Задача М2.12.

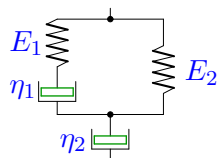
Мамедов Шахмар



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

Задача М2.13.

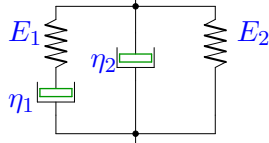
Никитина Анастасия



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

Задача М2.14.

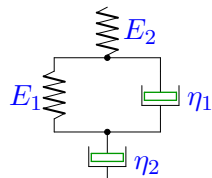
Подмосковная Валерия



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

Задача М2.15.

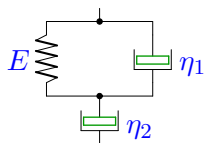
Семенов Иван



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

Задача М2.16.

Трушкин Евгений



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