

Структурные модели среды

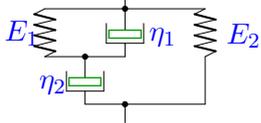
Вывести определяющее уравнение среды.

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.

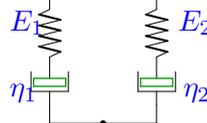
Боднарь Полина



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

Задача 2.2.

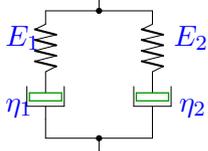
Винников Александр



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

Задача 2.3.

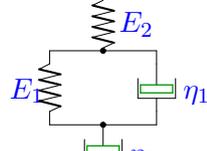
Ефимов Александр



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

Задача 2.4.

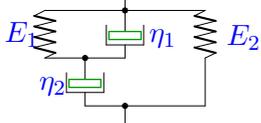
Источкин Андрей



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

Задача 2.5.

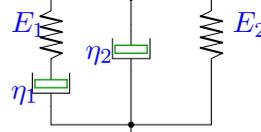
Криворотенко Владислав



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

Задача 2.6.

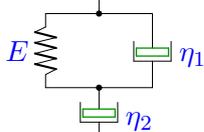
Крошкин Артём



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

Задача 2.7.

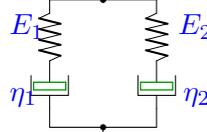
Лукьянчиков Алексей



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

Задача 2.8.

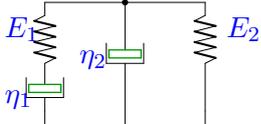
Маслов Владимир



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

Задача 2.9.

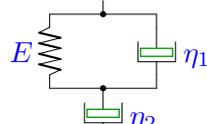
Назаров Сергей



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

Задача 2.10.

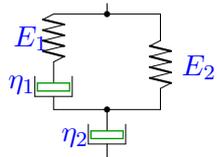
Никитин Иван



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

Задача 2.11.

Семиошкина Алина



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

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