

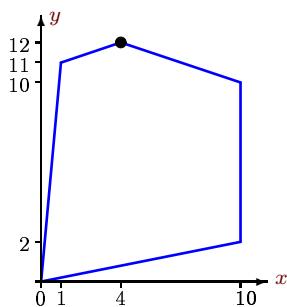
Центр тяжести

Дан ряд $p = [0.2, 0.3, 0.35, 0.15]$ распределения дискретной случайной величины координат одной из точек плоской фигуры. Найти математическое ожидание площади (в см^2) и координат центра тяжести плоской фигуры (в см). Отметки на осях даны в сантиметрах.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.— М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.118.)

Задача 4.1.

Баханович Иван

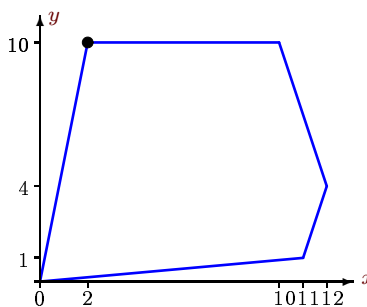


$$x_A = [4.30, 4.60, 4.90, 5.10],$$

$$y_A = [12.40, 12.80, 13.20, 13.44]$$

Задача 4.2.

Беленов Степан

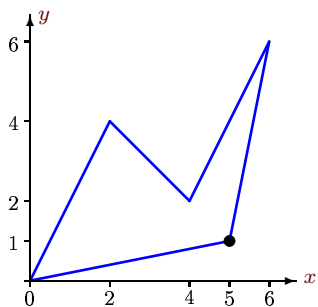


$$x_A = [2.24, 2.54, 2.74, 2.98],$$

$$y_A = [10.24, 10.64, 10.88, 11.12]$$

Задача 4.3.

Дони Владлен

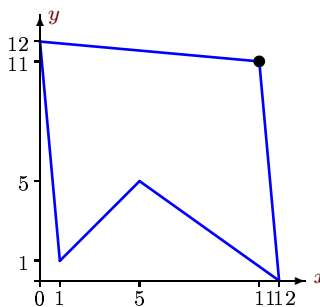


$$x_A = [5.30, 5.60, 5.80, 6.10],$$

$$y_A = [1.40, 1.80, 2.04, 2.44]$$

Задача 4.4.

Замашкин Валерий

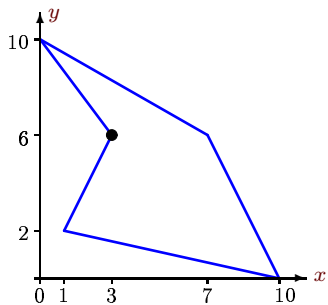


$$x_A = [11.24, 11.58, 11.82, 12.02],$$

$$y_A = [11.24, 11.64, 11.88, 12.12]$$

Задача 4.5.

Косоголов Алексей

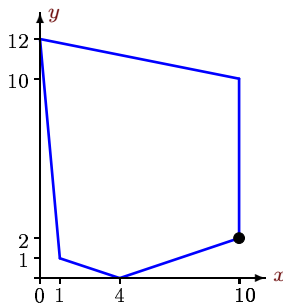


$$x_A = [3.24, 3.54, 3.88, 4.12],$$

$$y_A = [6.24, 6.64, 7.04, 7.28]$$

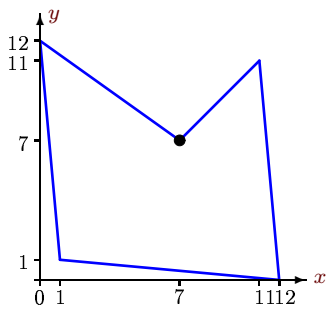
Задача 4.6.

Мальшиев Илья



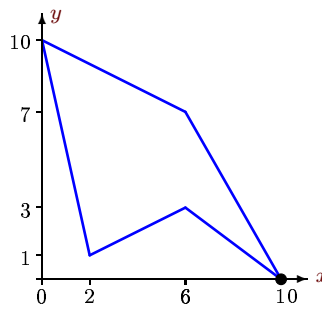
$$x_A = [10.30, 10.50, 10.70, 11.04],$$

$$y_A = [2.40, 2.64, 2.88, 3.28]$$

Задача 4.7.*Мордин Антон*

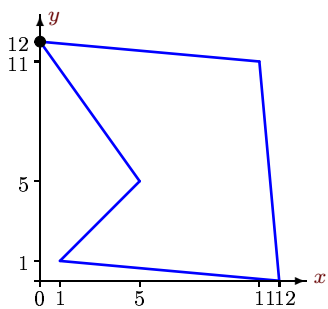
$$x_A = [7.30, 7.64, 7.88, 8.12],$$

$$y_A = [7.40, 7.80, 8.04, 8.28]$$

Задача 4.8.*Носенко Алексей*

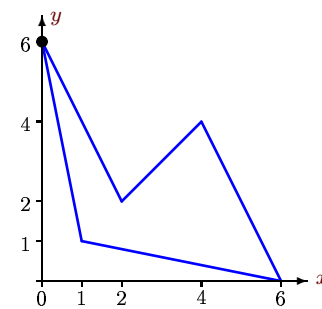
$$x_A = [10.34, 10.68, 10.92, 11.22],$$

$$y_A = [0.40, 0.80, 1.04, 1.44]$$

Задача 4.9.*Пахомова Светлана*

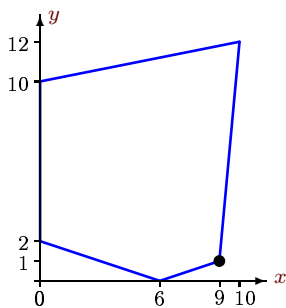
$$x_A = [0.24, 0.48, 0.68, 0.98],$$

$$y_A = [12.24, 12.48, 12.72, 13.12]$$

Задача 4.10.*Рейханов Людвиг*

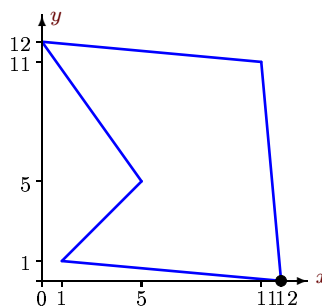
$$x_A = [0.30, 0.54, 0.84, 1.04],$$

$$y_A = [6.40, 6.64, 7.04, 7.28]$$

Задача 4.11.*Стручков Юрий*

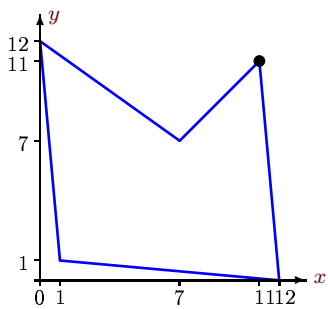
$$x_A = [9.30, 9.54, 9.74, 10.08],$$

$$y_A = [1.40, 1.64, 1.88, 2.28]$$

Задача 4.12.*Тимофеева Татьяна*

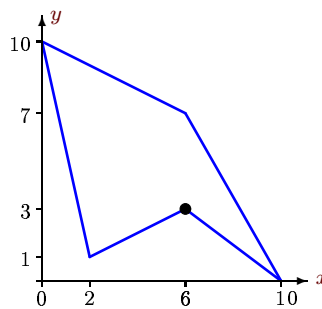
$$x_A = [12.24, 12.48, 12.72, 13.06],$$

$$y_A = [0.24, 0.48, 0.72, 1.12]$$

Задача 4.13.*Учаев Роман*

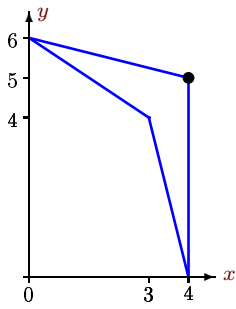
$$x_A = [11.20, 11.54, 11.74, 11.94],$$

$$y_A = [11.24, 11.64, 11.88, 12.12]$$

Задача 4.14.*Шестаков Виктор*

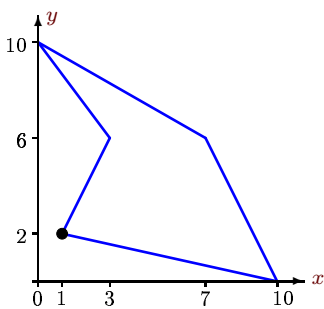
$$x_A = [6.20, 6.40, 6.74, 7.08],$$

$$y_A = [3.24, 3.48, 3.88, 4.28]$$

Задача 4.15.*Пахомов В.*

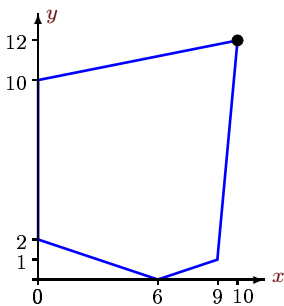
$$x_A = [4.20, 4.54, 4.84, 5.04],$$

$$y_A = [5.24, 5.64, 6.04, 6.28]$$

Задача 4.17.*Ерзунов*

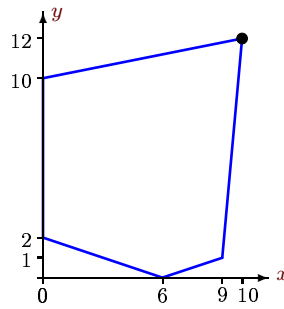
$$x_A = [1.34, 1.58, 1.92, 2.22],$$

$$y_A = [2.40, 2.64, 3.04, 3.44]$$

Задача 4.19.*Арманду Э.*

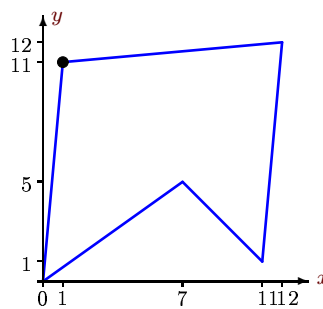
$$x_A = [10.34, 10.54, 10.74, 10.94],$$

$$y_A = [12.40, 12.64, 12.88, 13.12]$$

Задача 4.16.*Дагиянов О*

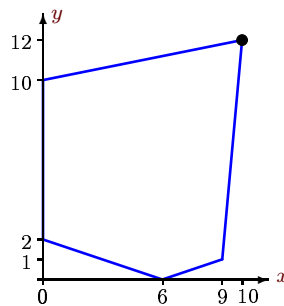
$$x_A = [10.30, 10.64, 10.88, 11.12],$$

$$y_A = [12.40, 12.80, 13.04, 13.28]$$

Задача 4.18.*Dai Qiao*

$$x_A = [1.24, 1.54, 1.84, 2.04],$$

$$y_A = [11.24, 11.64, 12.04, 12.28]$$

Задача 4.20.*Сунь Цзясюань*

$$x_A = [10.20, 10.40, 10.70, 11.00],$$

$$y_A = [12.24, 12.48, 12.88, 13.28]$$