**center**

*Function of calculation of coordinates of the center of circle set by three points.*

**Syntax:**

*C* **= center**(*P1, P2, P3*)*;*

**Arguments:**

*P1* – first point setting the circle. Type – *point*,

*P2* – second point setting the circle. Type – *point*,

*P3* – second point setting the circle. Type – *point*.

**Description:**

*center(P1, P2, P3)* – function of calculation of coordinates of the center of circle set by three points *P1*, *P2*, *P3*.

Input values can be set as pre-defined variables or be set by expression (*x, y)*, where *x* and *y* are for the point coordinates.

**Result:**

*C* – a point with coordinates of the center of circle. Type – *point*.

**Example:**

|  |  |
| --- | --- |
|  | **const** p1 = (1,3),  p2 = (4,6),  p3 = (7,2);  **c = center**(p1, p2, p3); |

As a result, value (4.0714286, 2.9285714) will be assigned to variable *c*.