**getgraphicmousevalue**

Function of getting coordinates of a current point of the graphic on the diagram according to the mouse pointer.

**Syntax:**

*P* = **getgraphiсmousevalue**(*gid, num*);

**Arguments:**

*gid* – identifier of an object of “Graphic” type,

*num* – number of the scale of an object of “Graphic” type.

**Description:**

*getgraphicmousevalue(gid, num) –* function of getting the coordinate of a current point on the graphic according to the mouse pointer on the diagram as per the identifier of object *gid* and number of scale *num*. The mouse pointer determines the coordinate on the X-axis for which y‑coordinate of graphic is got. The object identifier can be got by means of *getgraphicid(gr\_name)* function and is provided with the type of indicator to the object. Scale number corresponds to graphic number (starting with 0) in case of multi-scale display mode. If one scale is in use then the scale number can be specified randomly. Type of returned value is a complex number where the real part corresponds to the value on the axis of abscissas and the imaginary part – to the axis of ordinates.

**Result:**

*P –* point with the coordinates of current point of the graphic. Type – *complex*.

**Example:**

|  |  |
| --- | --- |
|  | //let us get graphic identifier  gid = **getgraphicid**(plot);  //let us get coordinates of current point on the graphic  p = **getgraphicmousevalue**(gid, 0); |

Execution of this example results in getting the graphic identifier. On setting the mouse cursor on the diagram variable *p* will contain coordinates of a point on the graphic, coordinate on the X‑axis is determined via mouse cursor position.