**color**

*Function of linear color interpolation.*

**Syntax:**

*c* **= color**(*x*, *min\_x, max\_x, min\_c, max\_c*)*;*

**Arguments:**

*x* – value of argument,

*min x* – minimum value of argument,

*max x* – maximum value of argument,

*min\_c* – minimum color value, type – *color*,

*max\_c* – maximum color value, type – *color*.

**Description:**

*color(x, min\_x, max\_x, min\_c, max\_c)* – function of calculation of color linear interpolation, where argument is confined within the range from *min\_x* to *max\_x*, and color varies within the range from *min\_c* to *max\_c*.

**Result:**

*с* – color resulted from interpolation.

**Example:**

|  |  |
| --- | --- |
|  | **var** startcolor:**color** = 1;  **var** endcolor:**color** = 255;  **var** c: **integer**;  c = **color**(0.5,0,1,startcolor,endcolor); |

As a result, value 128 will be assigned to variable *c*.