

Arc

The **Arc** function draws an elliptical arc.

```
BOOL Arc(  
    HDC hdc,           // handle of device context  
    int nLeftRect,      // x-coordinate of bounding rectangle's upper-left corner  
    int nTopRect,       // y-coordinate of bounding rectangle's upper-left corner  
    int nRightRect,     // x-coordinate of bounding rectangle's lower-right corner  
    int nBottomRect,    // y-coordinate of bounding rectangle's lower-right corner  
    int nXStartArc,     // first radial ending point  
    int nYStartArc,     // first radial ending point  
    int nXEndArc,       // second radial ending point  
    int nYEndArc        // second radial ending point  
);
```

Parameters

hdc

Identifies the device context where drawing takes place.

nLeftRect

Specifies the logical x-coordinate of the upper-left corner of the bounding rectangle.

nTopRect

Specifies the logical y-coordinate of the upper-left corner of the bounding rectangle.

nRightRect

Specifies the logical x-coordinate of the lower-right corner of the bounding rectangle.

nBottomRect

Specifies the logical y-coordinate of the lower-right corner of the bounding rectangle.

nXStartArc

Specifies the logical x-coordinate of the ending point of the radial line defining the starting point of the arc.

nYStartArc

Specifies the logical y-coordinate of the ending point of the radial line defining the starting point of the arc.

nXEndArc

Specifies the logical x-coordinate of the ending point of the radial line defining the ending point of the arc.

nYEndArc

Specifies the logical y-coordinate of the ending point of the radial line defining the ending point of the arc.

Return Value

If the arc is drawn, the return value is TRUE; otherwise, it is FALSE.

Remarks

The points (*nLeftRect*, *nTopRect*) and (*nRightRect*, *nBottomRect*) specify the bounding rectangle. An ellipse formed by the given bounding rectangle defines the curve of the arc. The arc extends in the current drawing direction from the point where it intersects the radial from the center of the bounding rectangle to the (*nXStartArc*, *nYStartArc*) point. The arc ends where it intersects the radial from the center of the bounding rectangle to the (*nXEndArc*, *nYEndArc*) point. If the starting point and ending point are the same, a complete ellipse is drawn.

The arc is drawn using the current pen; it is not filled.

The current position is neither used nor updated by **Arc**.

Windows NT: Use the **GetArcDirection** and **SetArcDirection** functions to get and set the current drawing direction for a device context. The default drawing direction is counterclockwise.