Halcon笔记 圆弧测量

1. 设置圆弧参数：

Row := 275 中心y

Column := 335 中心x

Radius := 107 半径

AngleStart := -rad(55) 起始角

AngleExtent := rad(170) 角度范围

2、创建圆弧测量对象

gen\_measure\_arc (Row, Column, Radius, AngleStart, AngleExtent, 10, Width, Height, 'nearest\_neighbor', MeasureHandle)

3、测量

measure\_pos (Zeiss1, MeasureHandle, 1, 10, 'all', 'all', RowEdge, ColumnEdge, Amplitude, Distance)

4、关闭对象句柄

close\_measure (MeasureHandle)

5、显示

disp\_line

disp\_message (WindowHandle, 'Distance: '+IntermedDist, 'image', 250, 80, 'yellow', 'false')

6其它函数：

6.1 disp\_continue\_message (WindowHandle, 'black', 'true')

显示继续信息

* 1. get\_points\_ellipse (AngleStart+AngleExtent, Row, Column, 0, Radius, Radius, RowPoint, ColPoint)

计算椭圆（Row, Column, 0, Radius, Radius）指定角度（AngleStart+AngleExtent）上点的坐标（RowPoint, ColPoint）

* 1. distance\_pp

计算两点距离

6.7disp\_arc(WindowHandle,Row,Col, ExternAngle, RowPoint, ColPoint)

绘制圆弧

例：disp\_arc(WindowHandle,250,250,0.1,100,100)



7、原程序：

例程：Measuring-2D/Measure\_arc.hdev