





equations?







Inside-Outside Tests

- Odd-even rule
 - Generalized from scan-line fill
 - May produce unusual results if edges intersect
- Nonzero winding number rule
 - Alternate way of determining interior

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Odd-Even Rule Choose a point Draw ray to a distant point Don't intersect any vertices Count edges crossed Odd count means interior Even count means exterior Same idea as scan-line even/odd































Filling a Polygon (Qt) (1)

QCanvasPolygon inherits QCanvasPolygonalItem inherits QCanvasItem inherits Qt (namespace for enums)

QCanvasPolygon::setPoints(QPointArray pa) QCanvasPolygonalItem::setBrush(Qbrush b) QCanvasPolygonalItem::setWinding(bool enable) // protected

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Filling a Polygon (Qt) (2)	
<pre>class myPolygon : public QCanvasPolygon { myPolygon(); </pre>	
};	
myPolygon::myPolygon() { setBrush(OBrush(green))	
<pre>DiagCrossPattern)); setWinding(true);</pre>	
}	17

