

Shape types: [not all known shapes have yet been mapped to a number]

00: Event (1)*
01: Events (n)*
02: Line (2)*
03: Caliper (6)*
04: Distance (6)*
05: Multiple Caliper (≥ 4)*
06: Multiple Distance (≥ 4)*
07: Angle3 (4)*
08: Angle4 (4)*
09: Circle (2)*
10: Scale Bar (2)*
11: INVALID/UNKNOWN
12: Polyline [open] (n)*
13: Aligned Rectangle (5)*
14: Rotated Rectangle (5)*
15: Ellipse (5)*
16: Polyline [closed] (n)*
17: Text (5)*
18: Length (6)*
19: Spline [open] (≥ 3)*

20: Spline [closed] (≥ 3)*
21: LUT (5)*
22: INVALID/UNKNOWN
23: INVALID/UNKNOWN
24: INVALID/UNKNOWN
25: SEGFAULT/UNKNOWN
26: POLYLINE/UNKNOWN
27: EVENTS/UNKNOWN
28: Profile (2)#
29: TIME/UNKNOWN (5)
30: TIME/UNKNOWN (5)
31: CHANNEL/UNKNOWN (5)
32: Event (1)#
33: Events (n)#
34: Line (2)#
35: Caliper (6)#
36: Distance (6)#
37: Multiple Caliper (≥ 4)#
38: Multiple Distance (≥ 4)#
39: Angle3 (4)#

40: Angle4 (4)#
41: Circle (2)#
42: Polyline [open] (n)#
43: Aligned Rectangle (5)#
44: Rotated Rectangle (5)#
45: Ellipse (5)#
46: Polyline [closed] (n)#
47: INVALID/UNKNOWN
48: Length (6)#
49: Spline [open] (n)#
50: Spline [closed] (n)#
51: TIME/UNKNOWN (5)
52: STACK/3D/UNKNOWN (5)
53: STACK/3D/UNKNOWN (5)
54: (Rewrites as type 6)
55: (Rewrites as type 6)
56: POLYLINE/UNKNOWN (5)
57: Like 02 (2)
58: 56: POLYLINE/UNKNOWN
59: 56: POLYLINE/UNKNOWN
60: 56: POLYLINE/UNKNOWN
>60: INVALID/UNKNOWN

* Annotation

Measurement
(in AxioVision 4.8)

* Presumed Annotation

Presumed Measurement

UNKNOWN: No function identified (yet)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	
00	ArraySize <small>(156)</small>				Shape Type				U2 (0)				U3 (0)				0-15
01	BBox x1				BBox y1				Bbox x2				BBox y2				16-31
02	U4 (0)				U5 (0)				U6 <small>(FFFFFF00)</small>				U7 (0)				32-47
03	Fill Colour				Text Colour				Draw Colour				Draw Width				48-63
04	Draw Style				Fill Style				U8 (0)				Font Strikeout				64-79
05	Font Weight				Font Size				Font Italic				Font Underline				80-95
06	Font Align				U10 (0)				U11 <small>(2/11/12/13)</small>				U12 <small>(FFFFFFFF)</small>				96-111
07	U13 (2)				U14 <small>(FFFFFFFF)</small>				U15 (0)				U16 (0)				112-127
08	U17 (0)				U18 (0)				Line Endings				Line End Size				128-143
09	Line End Pos				Display Tag				Charset no.								144-155

Unknown values:

U11: Varies between 2 (2)/3 (3)/11 (17)/12 (18)/13 (19); mostly 12. Appears to change when modifications are made; last modified object is incremented 2 to 3 or 12 to 13. Not important.

Unassigned potential properties:

SpecialEffect

TextStyle (Probably U8 or U9)

SubTypeMask? Maybe U2 or U3 if this is used.

Annotations

 **20 μ m** **Scale bar** T10 P2

Test text **Text** T17 P5

 **Line** T2 P2

 **Text** **Aligned Rect** T13 P5

 **Outline** T16 P_n

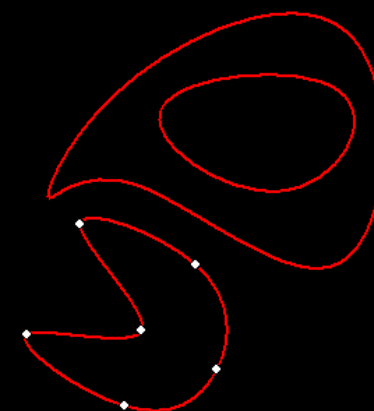
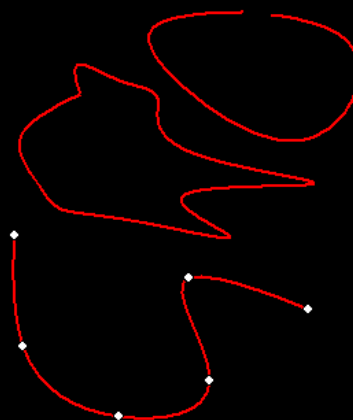
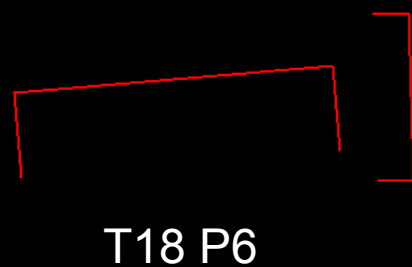
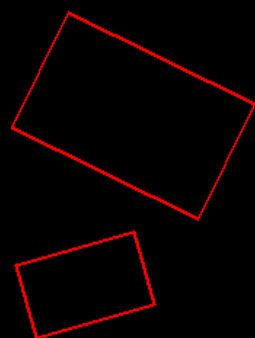
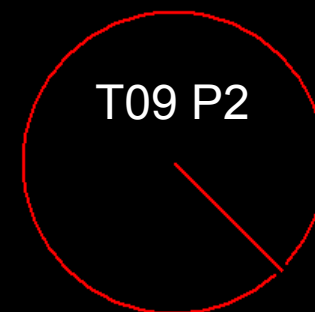
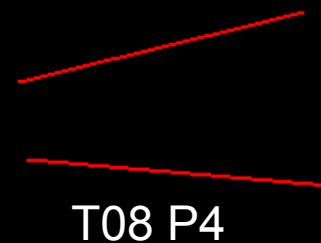
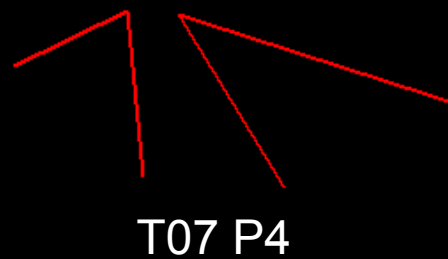
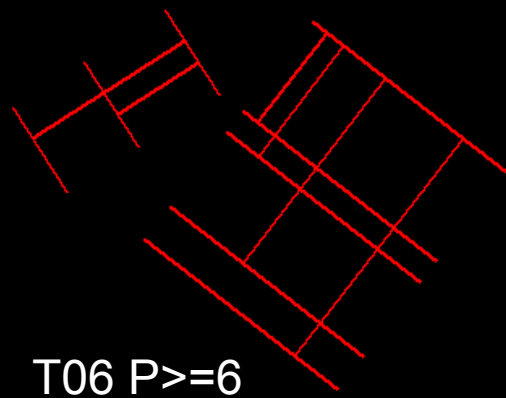
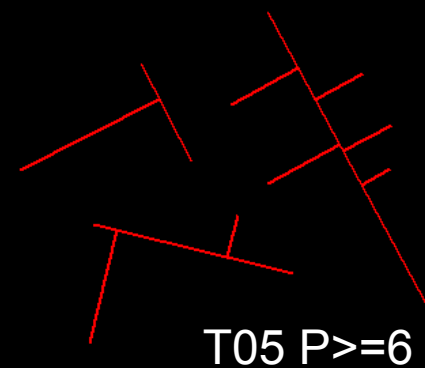
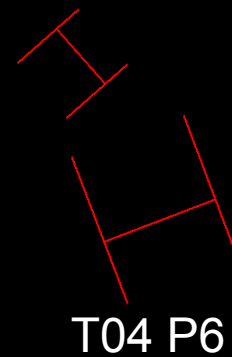
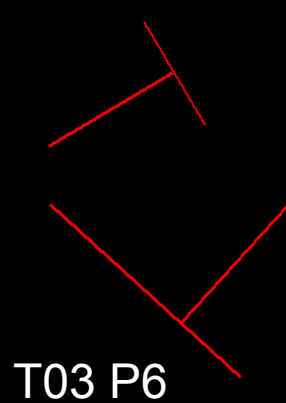
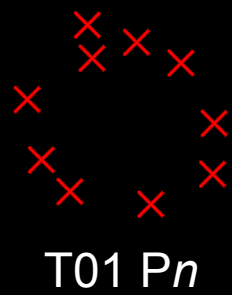
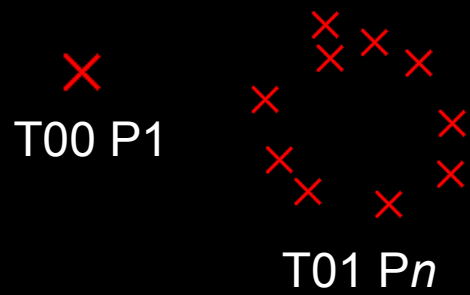
 **Curve** T12 P_n

 **Ellipse** **Ellipse** T15 P5

 **Ellipse no text** T15 P5

 **Aligned Rect no text** T13 P5

 **LUT** T21 P5



Additional Annotations
(not exposed in current UI)

24.23 μm Length T48 P6

23.64 μm Line T34 P2

149.56 μm^2 Outline T46 Pn

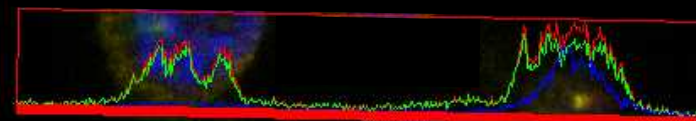
74.53 μm^2 Outline Spline T50 Pn

9.86 μm Circle T41 P2

90.11 deg Angle3 T39 P4

24.49 deg Angle4 T40 P4

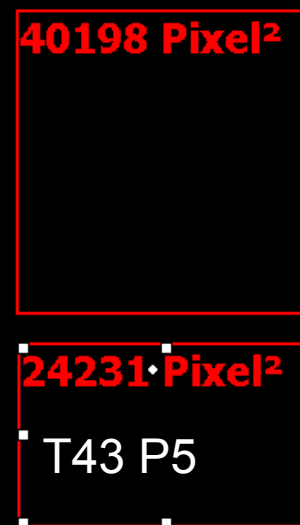
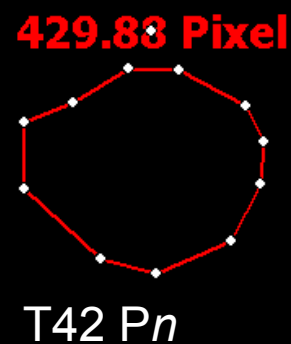
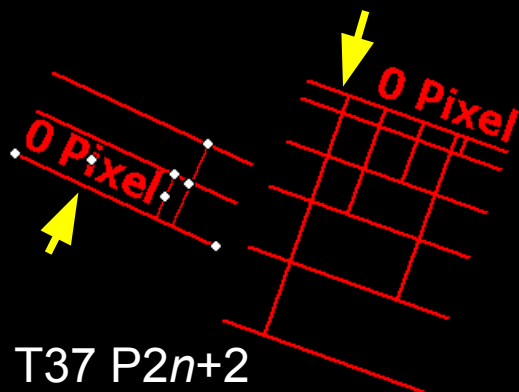
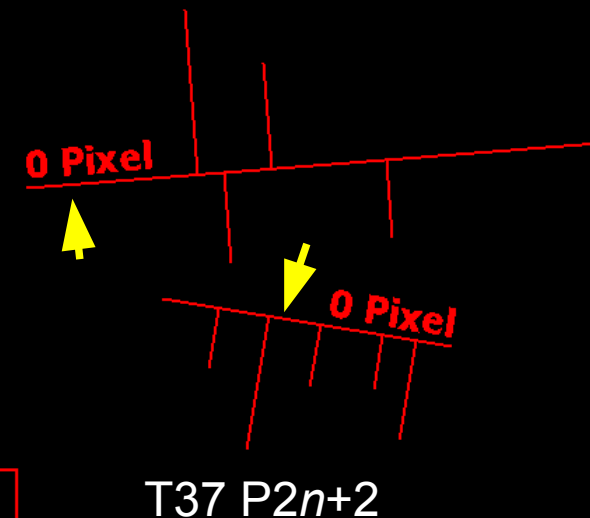
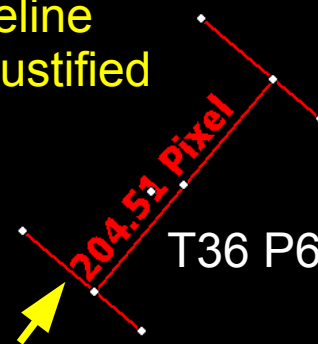
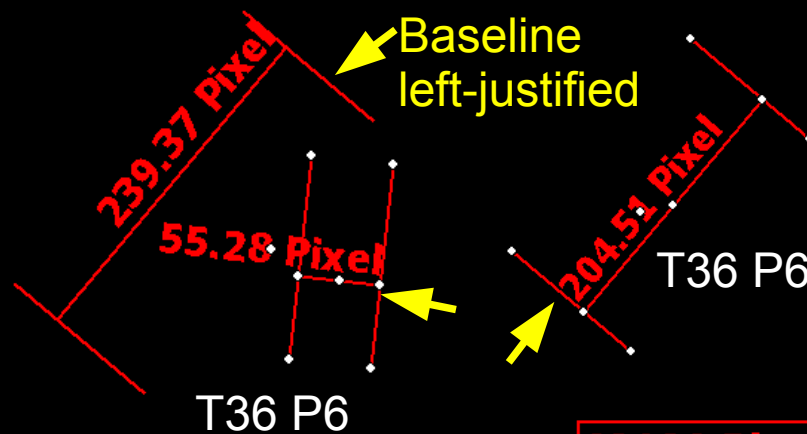
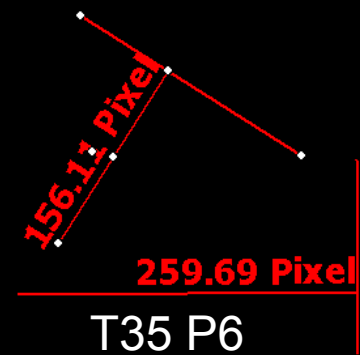
Events T33 Pn



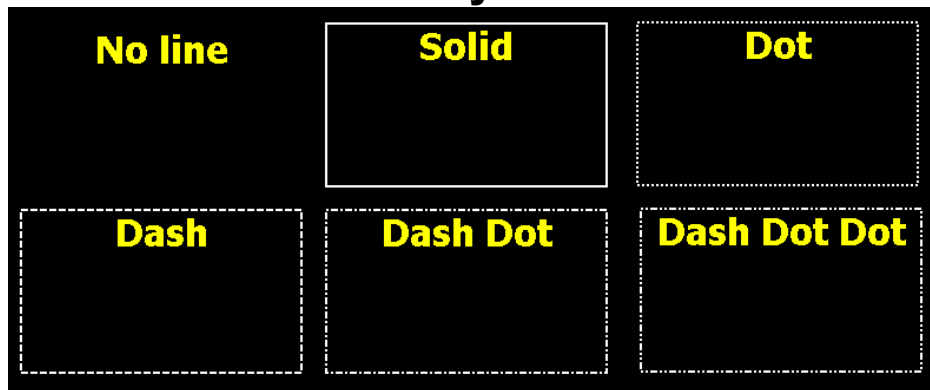
Profile T29 P2

Profile not saved in metadata—it's a single line for measurement, not the result.

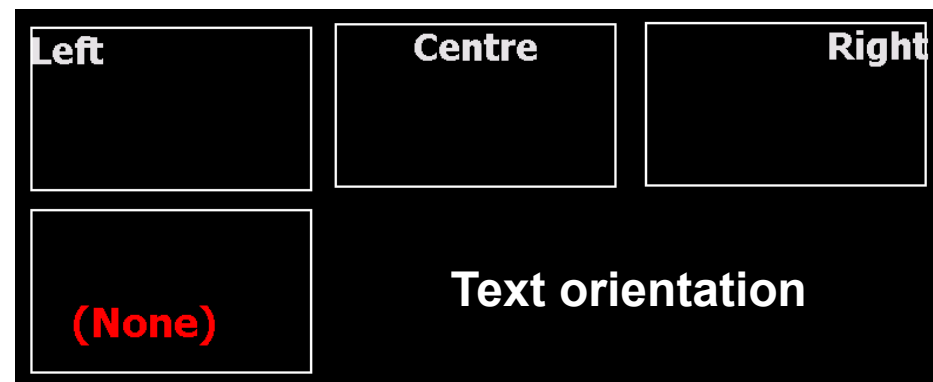
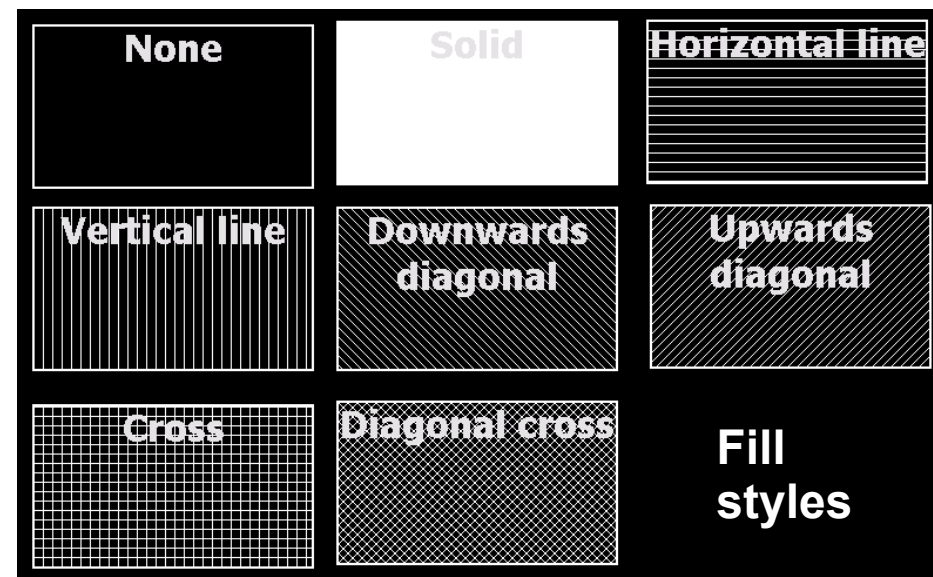
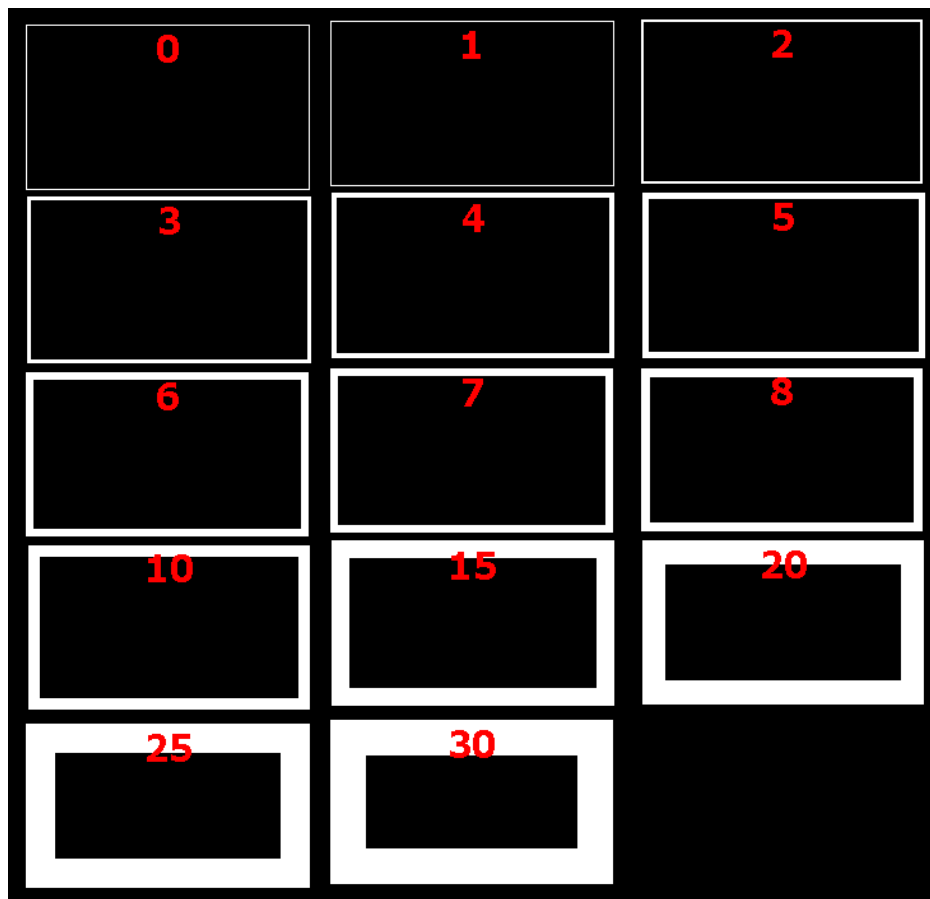
Additional Measurements (not exposed in UI)



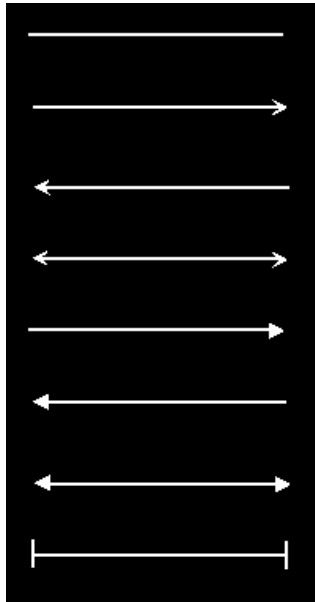
Line styles



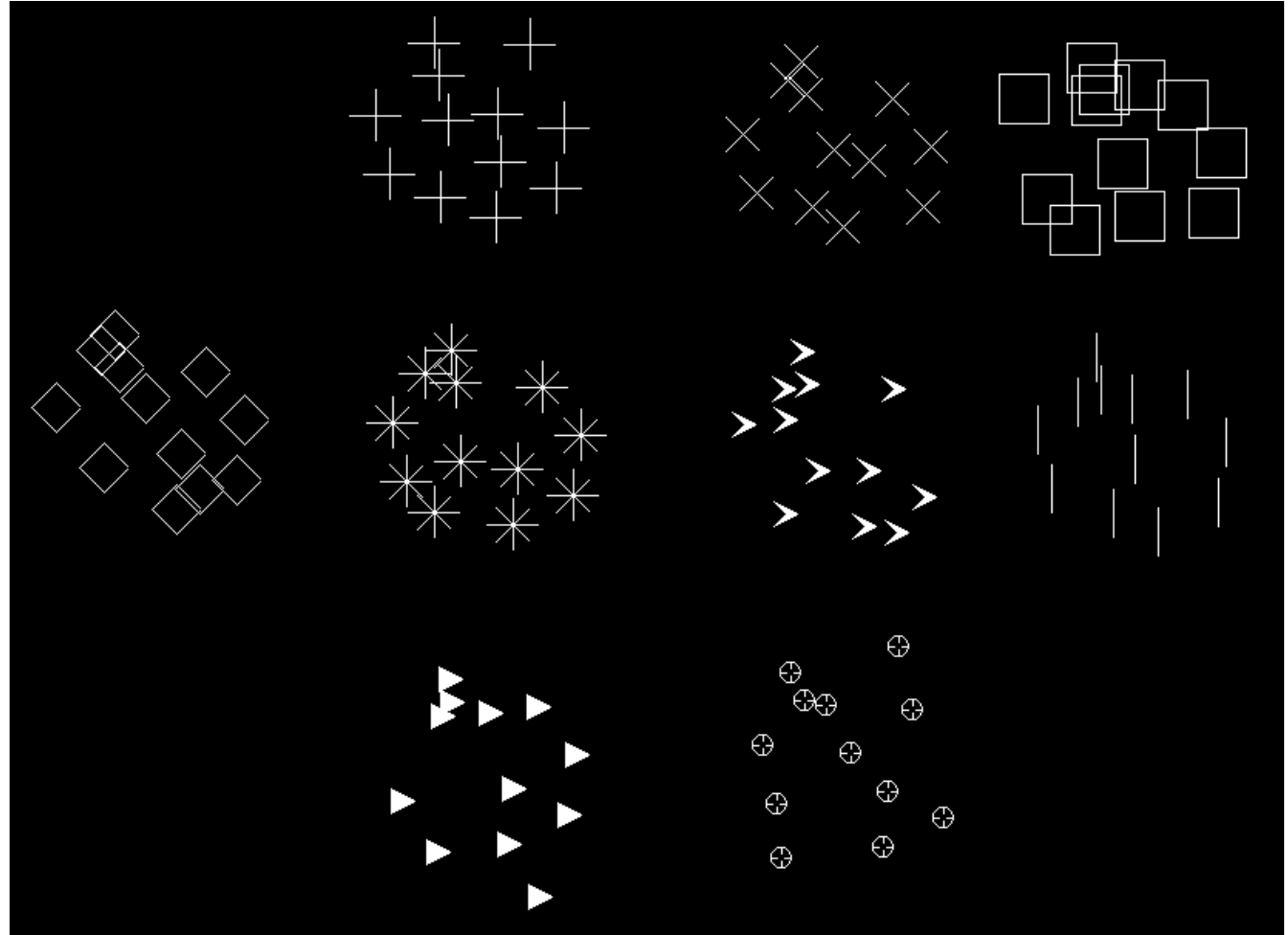
Line widths (pixels). Outer dims constant.



Arrow styles



Point styles



Note that the arrowhead and point sizes are adjustable independently of the line thickness.

AxioVision Shape List (1)

Marker

Events

Line

Calipers

Distance (between 2 lines)

Multiple Calipers

Multiple Distance (between 2 lines)

Length

Angle3

Angle4

Scalebar

CurvePA

Aligned Rectangle

Rectangle

Ellipse

Outline

Text

Circle

Curve

Spline

Outline spline

Circle Out-In

Circle Points

Outline2

Channel Name

Acquisition Name

Exposure Time

Relative Time

Absolute Focus Position

Relative Focus Position

LUT

Point

Points

Note: More than one of these UI types actually have a common type representing them, e.g. a single circle type and a single rectangle type for the name/time/position labels.

This list is the set of “human-readable” shape names.

AxioVision Shape Types (2)

Point	Polygon2 (outline?)
Points	Text2
Line	Polygons (closed spline?)
Caliper	Texts
Caliper2	Points
Caliper3	Line2
Calipers	AcquisitionTime
Calipers2	ExposureTime
Scalebar	MultiChannelName
Angle3	RectangleLUT
Angle4	RelativeTime
Circle	AbsoluteFocusPosition
Circle2	RelativeFocusPosition
Circle3	Caliper4
Polyline (curve)	Calipers4
PolylineSpline	3Dtriangles
Rectangle	3Dcontour
Ellipse	3Dbox
Rectangle2	
Text	

MeasurementPoint
MeasurementPoints
MeasurementLine
MeasurementCaliper
MeasurementCaliper2
MeasurementCaliper3
MeasurementCalipers
MeasurementCalipers2
MeasurementAngle3
MeasurementAngle4
MeasurementCircle
MeasurementCircle2
MeasurementCircle3
MeasurementPolyline
MeasurementPolylineSpline
MeasurementRectangle
MeasurementEllipse
MeasurementRectangle2
MeasurementPolygon
MeasurementPolygonSpline
MeasurementPolygon2
MeasurementLine2
MeasurementCaliper4
MeasurementCalipers4

Note: probably
drawing commands
rather than basic
object types.
Polyline=open
Polygon=closed.
Measurements are
the same as the
basic shapes, but
record measurement
features and have
one or more
measurements
displayed next to the
shape. The
distinction is not
entirely clear, since
many only make
sense for making
measurements.