#### [path](path.docx) (Shape Path)

This element specifies a creation [path](path.docx) consisting of a series of moves, lines and curves that when combined will form a geometric shape. This element will only be utilized if a custom geometry is specified.

[Note: Since multiple paths are allowed the rules for drawing are that the [path](path.docx) specified later in the [pathLst](pathLst.docx) will be drawn on top of all previous paths. [end](end.docx) note]

[Example: Consider the following DrawingML.

<a:custGeom>
 <a:pathLst>
 <a:path [w](w.docx)="2824222" [h](h.docx)="590309">
 <a:moveTo>
 <a:pt x="0" [y](y.docx)="428263"/>
 </a:moveTo>
 <a:lnTo>
 <a:pt x="1620455" [y](y.docx)="590309"/>
 </a:lnTo>

 <a:lnTo>
 <a:pt x="2824222" [y](y.docx)="173620"/>
 </a:lnTo>

 <a:lnTo>
 <a:pt x="1562582" [y](y.docx)="0"/>
 </a:lnTo>
 <a:close/>
 </a:path>
 </a:pathLst>
</a:custGeom>

In the above example there is specified a four sided geometric shape that has all straight sides. While we only see three lines being drawn via the [lnTo](lnTo.docx) element there are actually four sides because the last point of (x=1562585, [y](y.docx)=0) is connected to the first point in the creation [path](path.docx) via a [lnTo](lnTo.docx) element. [end](end.docx) example]

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| Parent Elements |
| [pathLst](pathLst.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [arcTo](arcTo.docx) (Draw Arc To) | § |
| [close](close.docx) (Close Shape Path) | § |
| [cubicBezTo](cubicBezTo.docx) (Draw Cubic Bezier Curve To) | § |
| [lnTo](lnTo.docx) (Draw Line To) | § |
| [moveTo](moveTo.docx) (Move Path To) | § |
| [quadBezTo](quadBezTo.docx) (Draw Quadratic Bezier Curve To) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| extrusionOk (3D Extrusion Allowed) | Specifies that the use of [3D](3D.docx) extrusions are possible on this path. This allows the generating application to know whether [3D](3D.docx) extrusion can be applied in any form. If this attribute is omitted then a value of 0, or false is assumed.The possible values for this attribute are defined by the XML Schema boolean datatype. |
| [fill](fill.docx) (Path Fill) | Specifies how the corresponding [path](path.docx) should be filled. If this attribute is omitted, a value of "[norm](norm.docx)" is assumed.The possible values for this attribute are defined by the [ST\_PathFillMode](ST_PathFillMode.docx) simple type (§). |
| [h](h.docx) (Path Height) | Specifies the height, or maximum [y](y.docx) coordinate that should be used for within the [path](path.docx) coordinate system. This value determines the vertical placement of all points within the corresponding [path](path.docx) as they will all be calculated using this height attribute as the max [y](y.docx) coordinate.The possible values for this attribute are defined by the [ST\_PositiveCoordinate](ST_PositiveCoordinate.docx) simple type (§). |
| stroke (Path Stroke) | Specifies if the corresponding [path](path.docx) should have a [path](path.docx) stroke shown. This is a boolean value that will [effect](effect.docx) on the outline of the path. If this attribute is omitted, a value of true is assumed.The possible values for this attribute are defined by the XML Schema boolean datatype. |
| [w](w.docx) (Path Width) | Specifies the width, or maximum x coordinate that should be used for within the [path](path.docx) coordinate system. This value determines the horizontal placement of all points within the corresponding [path](path.docx) as they will all be calculated using this width attribute as the max x coordinate.The possible values for this attribute are defined by the [ST\_PositiveCoordinate](ST_PositiveCoordinate.docx) simple type (§). |

The following XML Schema fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_Path2D">

 <choice minOccurs="0" maxOccurs="unbounded">

 <element name="[close](close.docx)" type="CT\_Path2DClose" minOccurs="1" maxOccurs="1"/>

 <element name="[moveTo](moveTo.docx)" type="CT\_Path2DMoveTo" minOccurs="1" maxOccurs="1"/>

 <element name="[lnTo](lnTo.docx)" type="CT\_Path2DLineTo" minOccurs="1" maxOccurs="1"/>

 <element name="[arcTo](arcTo.docx)" type="CT\_Path2DArcTo" minOccurs="1" maxOccurs="1"/>

 <element name="[quadBezTo](quadBezTo.docx)" type="CT\_Path2DQuadBezierTo" minOccurs="1" maxOccurs="1"/>

 <element name="[cubicBezTo](cubicBezTo.docx)" type="CT\_Path2DCubicBezierTo" minOccurs="1" maxOccurs="1"/>

 </choice>

 <attribute name="[w](w.docx)" type="[ST\_PositiveCoordinate](ST_PositiveCoordinate.docx)" use="optional" default="0"/>

 <attribute name="[h](h.docx)" type="[ST\_PositiveCoordinate](ST_PositiveCoordinate.docx)" use="optional" default="0"/>

 <attribute name="[fill](fill.docx)" type="[ST\_PathFillMode](ST_PathFillMode.docx)" use="optional" default="[norm](norm.docx)"/>

 <attribute name="stroke" type="xsd:boolean" use="optional" default="true"/>

 <attribute name="extrusionOk" type="xsd:boolean" use="optional" default="true"/>

</complexType>