Path2D Script 6/28/2011 4:09 PM

Purpose: For describing a general 2D parametric path in xy-plane

Encoding: US-ASCII

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| Key commands: | Comments |
| **newpath** x y | Initialize the path and set the current point to (x,y). i.e., the starting point of the path |
| **lineto** x y | Append a straight line segment to the path, starting from the current point and ending at (x,y); the current point will be moved to (x,y) after this command |
| **arcto** x1 y1 x2 y2 | Append an arc segment to the path, starting from the current point , passing through (x1,y1), and ending at (x,y); the current point will be moved to (x2,y2) after this command |
| **ellipseto** x1 y1 x2 y2 x3 y3 | Append an elliptical segment to the path, starting from the current point , passing through (x1,y1), (x2,y2), and ending at (x3,y3) ; the current point will be moved to (x3,y3) after this command |
| **closepath** | Close the path |

Note: All x,y coordinates are in mm.

Sample script:

**newpath 0.0 0.0**

**arcto 42.33 14.97 60.77 38.34**

**arcto 64.77 48.94 65.92 53.57**

**lineto 70.21 77.84**

**closepath**