Programming Assignment #1

Evaluation Date: 26th August, 2014

Using the midpoint method design an efficient algorithm to scan convert a cubic spline curve expressed in the following parametric form:

$$x(u) = a_{x0} + a_{x1}u + a_{x2}u^2 + a_{x3}u^3$$

$$y(u) = a_{y0} + a_{y1}u + a_{y2}u^2 + a_{y3}u^3$$

where $0 \leq u \leq 1$.