

**MA473: Computational Finance : Lab 6**  
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**Observation:**

The graph depicts the outcome of the obstacle problem, where the obstacle is symbolized by the line  $g(x)$ . The solution curve should consistently remain higher than the obstacle curve. This solution curve illustrates that the elastic membrane will reach equilibrium when it undergoes a slight deformation above the obstacle curve. The most significant deformation of the membrane occurs at the point where the solution curve crosses the obstacle curve.

