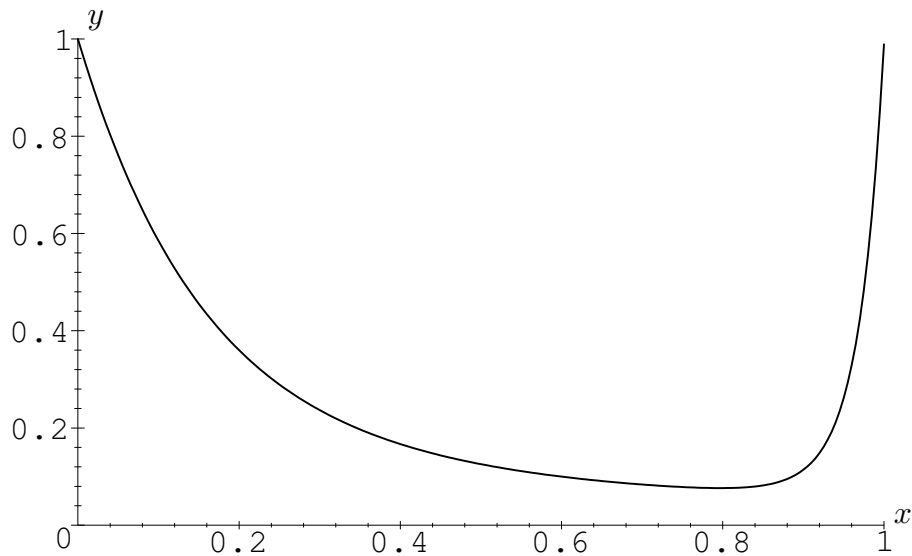


Layers of Different Widths

Consider the following system:

$$\epsilon y'' - x^2 y' - y = 0, \quad y(0) = y(1) = 0. \quad (1)$$



Computed solution with $\epsilon = 0.03$.
(The asymptotic solution can't be distinguished on the graph.)