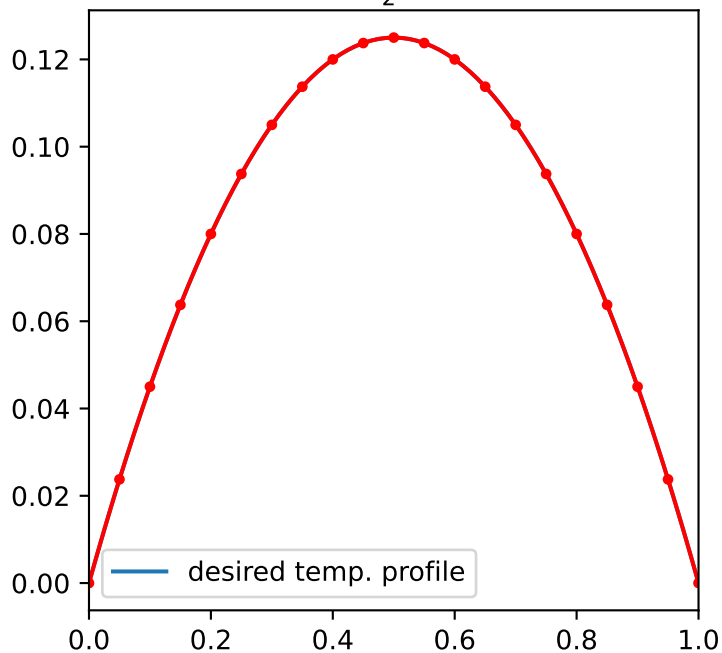
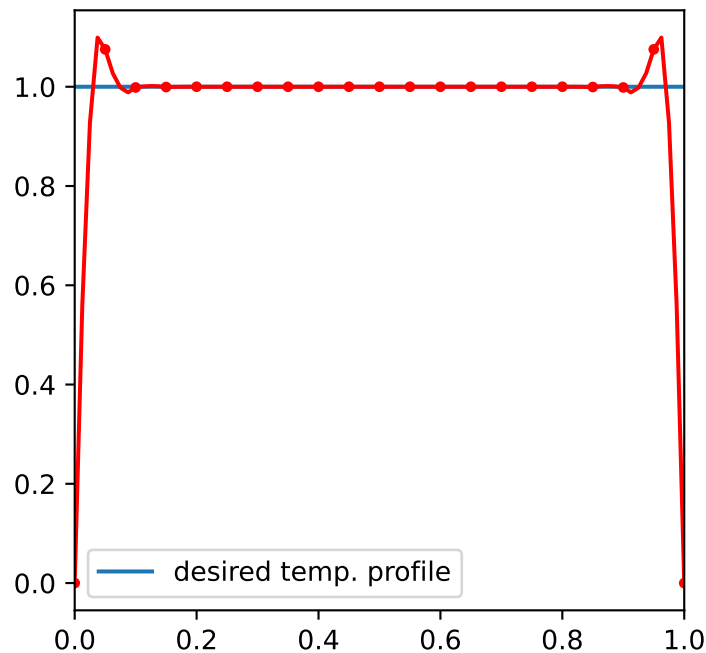


OCP: partitioning of $[0, 1]$ into 20 segments, cost parameter: $\alpha = 1\text{e-}08$.

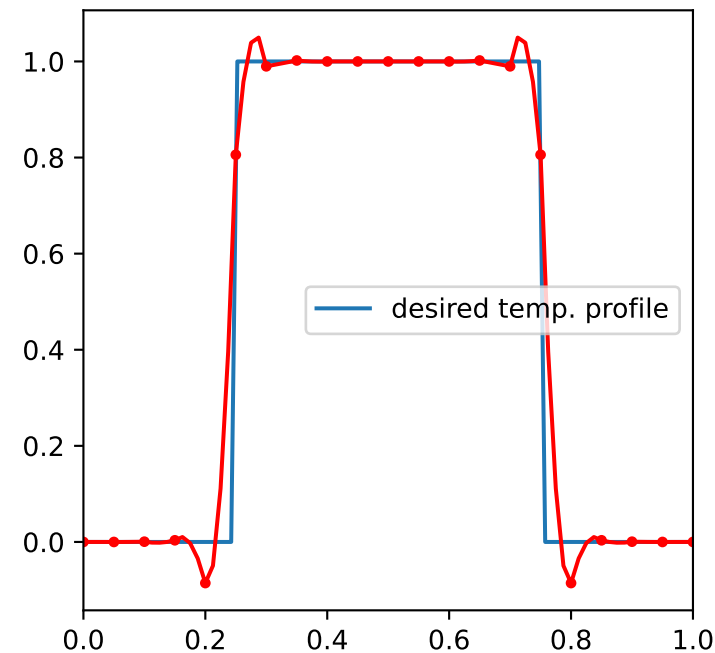
$$y_d(x) = \frac{1}{2}x(1-x)$$



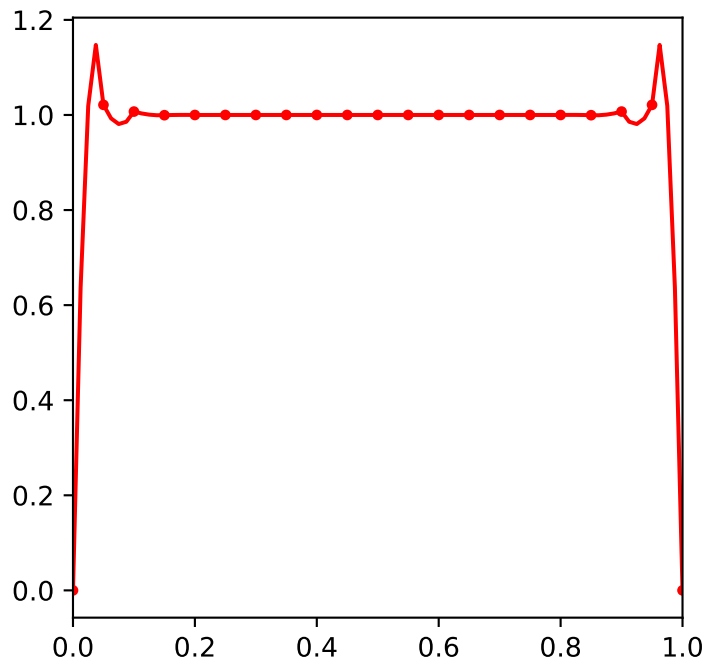
$$y_d(x) = 1$$



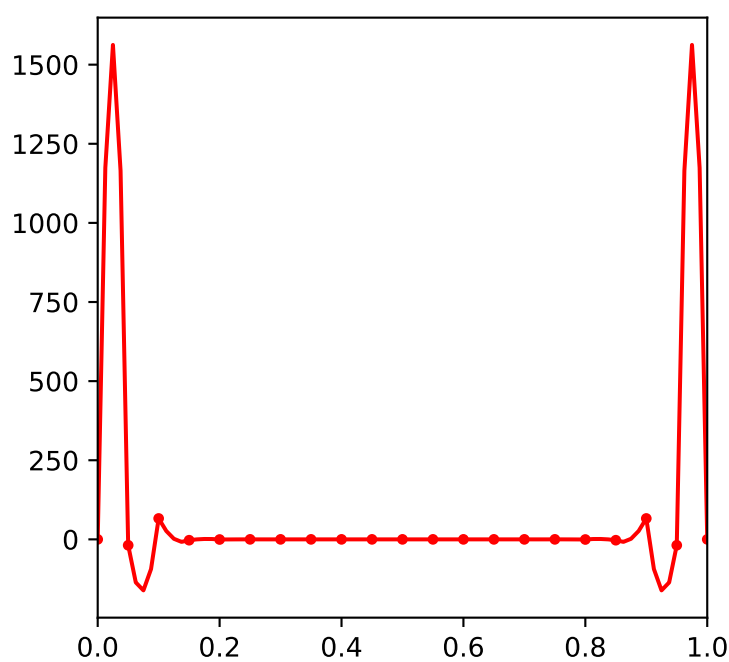
$$y_d(x) = 1, \{1/4 < x < 3/4\}$$



Distributed heat source u



Distributed heat source u



Distributed heat source u

