

Example 8.3.1 Nonlinear diffusion-reaction model

Consider a nonlinear diffusion-reaction model in porous catalysts, governed by

$$uu'' = \gamma^2, \quad u'(0) = 0, \quad u(1) = 1,$$

where γ is a given constant. The above equation has **two** solutions as shown below, which can be found out by means of the **BVPh 1.0**.

