

George Simmons *Differential Equations with
Applications and Historical Notes*, **3rd edition**

Chapter 2. First Order Equations

2.12. The Hanging Cable and Pursuit Curves

- 2.12.3.** What is the shape of a cable of negligible density (so that $w(s) = 0$) that supports a bridge of constant horizontal density given by $L(x) = L_0$?