1085-35-72   **Zhen Qin** and **Roger M. Temam*** (`temam@indiana.edu`), 831 East Third Street, Rawles Hall, Bloomington, IN 47405. *The Korteweg-de Vries equation on a bounded interval.*

In this lecture we discuss the existence and uniqueness of solutions of the Korteweg-de Vries equation on a bounded finite interval. We also discuss the theoretical and computational treatment of possible incompatibilities between the initial and boundary data. (Received August 29, 2012)