Multiplicity of positive solutions for a Kirchhoff type problem involving sign-changing weight functions

Tsung-fang Wu

Department of Applied Mathematics

National University of Kaohsiung, Kaohsiung 811, Taiwan

Abstract. In this talk, we will consider the Kirchhoff type equations involving sign-changing weight functions. With the help of the Nehari manifold, we prove that existence of multiple positive solutions.

(Joint work with Ching-yu Chen and Yueh-cheng Kuo)