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Yongqing Li* (yqli@fjnu.edu.cn), Department of Mathematics, Fujian Normal University, Fuzhou, Fujian 350007, Peoples Rep of China. *Continuity of solutions to an elliptic eigenvalue problem with respect to parameters.*

In this paper, we prove the connectedness of solutions to a semilinear elliptic eigenvalue problem with constraint by using variational methods. Then we show the bifurcating solutions to a semilinear elliptic eigenvalue problem without constraint. (Received July 29, 2006)