

论文

EXISTENCE OF MULTIPLE SOLUTIONS AND BIFURCATION FOR CRITICAL SEMILINEAR BIHARMONIC EQUATIONS

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摘要 We investigate in this paper the existence problem for a critical semilinear biharmonic problem defined on a bounded domain. It is verified that the Palais-Smale condition holds true in certain interval. Based on the fact, existence and bifurcation results are established via min-max type theorems.

关键词 [Biharmonic equation](#), [critical exponent](#), [mu](#)

分类号

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Abstract We investigate in this paper the existence problem for a critical semilinear biharmonic problem defined on a bounded domain. It is verified that the Palais-Smale condition holds true in certain interval. Based on the fact, existence and bifurcation results are established via min-max type theorems.

Key words [Biharmonic equation](#) [critical exponent](#) [multiple solutions](#) [bifurcation](#)

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