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Multiple Solutions for a Fourth Order Asymptotically Linear Elliptic Problem

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摘要 Under simple conditions, we prove the existence of three solutions for a fourth-order asymptotically linear elliptic boundary value problem. For the resonance case at infinity, we do not need to assume any more conditions to ensure the boundedness of the (PS) sequence of the corresponding functional.

关键词 <u>Fourth-order elliptic boundary value problem</u> <u>Mountain Pass theorem</u> <u>Morse theory</u> 分类号 35J65

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Key words Fourth-order elliptic boundary value problem Mountain Pass theorem Morse theory

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