

论文

## THE GENERALIZED SOLUTIONS OF PBVP FOR INTEGRO-DIFFERENTIAL EQUATIONS

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**摘要** In this paper, we study the periodic boundary value problems for a class of nonlinear integro-differential equations of Volterra type with Caratheodory condition. We obtain an existence result of generalized solutions between generalized upper and lower solutions, and develop the monotone iterative technique to find generalized extremal solutions as limits of monotone sequences.

**关键词** [Integro-differential equations, periodic](#)

分类号

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**Key words** [Integro-differential equations](#) [periodic boundary value problems](#) [generalized solutions](#) [monotone it](#)

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