Original Articles

On the Existence of Positive Periodic Solutions for Neutral Functional Differential Equation with Multiple Deviating Arguments

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摘要   By means of an abstract continuation theory for k-set contraction and continuation theorem of coincidence degree principle, some criteria are established for the existence of positive periodic solutions of following neutral functional differential equation $dN/dt = N(t) [a(t)-\beta(t)N(t)-\sum_{j=1}^{n} b_j(t)N(t-\sigma_j(t))-\sum_{i=1}^{m} c_i(t)N'(t-\tau_i(t))]$.

关键词   positive periodic solution   k-set contraction
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