Stability Analysis for the Large-Scale Systems with Time-Delay

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摘要   The stability analysis problems were put forward for the large-scale systems with time-delay by using the partial decomposition method. With the stability of the isolated subsystems without time-delay, some sufficient criterions for the asymptotical stability of the whole system were obtained by making a Lyapunov function with the Razumikhin condition and a Lyapunov functional for the retarded type and neutral type, respectively.

关键词   Large-scale time-delay system   Lyapunov functional   partial decomposition method   Razumikhin-type theorem

分类号

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