

Boundedness and almost periodicity of solutions of partial functional differential equations

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Abstract: We study necessary and sufficient conditions for the abstract functional differential equation $x' = Ax + Fx_t + f(t)$ to have almost periodic, quasi periodic solutions with the same structure of spectrum as f . The main conditions are stated in terms of the imaginary solutions of the associated characteristic equations and the spectrum of the forcing term f . The obtained results extend recent results to abstract functional differential equations. ?? 2002 Elsevier Science (USA).

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