Asymptotic Behavior in Some Classes of Functional Differential Equations

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Abstract: In this paper we shall investigate the asymptotic behavior (at $+\infty$) of certain classes of functional differential equations, involving causal (abstract Volterra) operators. Vast literature exists on this subject, mainly in the case of ordinary differential equations, delay equations and integro-differential equations. We mention here the book, non-linear differential equations, by G. Sansone and R. Conti for classical results. More recent contributions can be found in the books by C. Corduneanu, with pertinent references. See also the papers by A.R. Aftabizadeh, and C. Corduneanu and M. Mahdavi.