

Generalized concepts of almost periodicity

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The main subject of this talk are semi-Bloch (p, k) -periodic functions and sequence and weighted almost (ω, c) -pseudo periodic functions as a generalization of most of the all previously developed concepts in theory of almost periodic functions. A various types of weighted almost (ω, c) -pseudo periodic composition results are given. Also, a qualitative analysis in this context of a semilinear (fractional) Cauchy inclusions is provided.