



MIXED C -SEMIGROUPS AND MIXED C_0 -COSINE
FAMILIES OF CONTINUOUS LINEAR OPERATORS ON
COMPLEX p -BANACH SPACES

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Abstract. In the present work, we define and examine the mixed C -semigroups and the mixed C_0 -cosine families of continuous linear operators on complex p -Banach spaces where $0 < p < 1$. In particular, we demonstrate several results related to them. Finally, we give solutions of some inhomogeneous differential equations in p -Banach spaces. Several examples are provided.

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