

Semi- c -periodicity, c -uniform recurrence and c -almost automorphy in the complex plane

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Abstract: In this poster we will develop the concepts of semi- c -periodicity, c -uniform recurrence and c -almost automorphy for functions defined on vertical strips in the complex plane, where c is a non-zero complex number. As an extension of the study performed for functions defined on the real axis (see [1, 2]), we will show the main properties of these classes of functions and establish their connections with the more known class of c -almost periodic functions (see [3, 4]). Additionally, we also use this approach to introduce an asymptotic version of these new classes of functions.

References

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