Workshop dedicated to the memory of Professor Gabriela Kohr
Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

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On some cluster sets problems

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Abstract

We extend some theorems of Iversen and Tsuji concerning cluster sets and boundary cluster sets of holomorphic plane mappings in the class of so called ring mappings. Such mappings defined by satisfying a modular inequality were intensively studied in the past 20 years by many mathematicians like Cristea, Golberg, Kovtoniuk, Martio, Ryazanov, Salimov, Sevost'yanov, Srebro, Yakubov and many geometric properties of the well-known quasiregular mappings still hold in this class of mappings.