ON STEVIĆ–SHARMA OPERATOR FROM THE MIXED–NORM SPACES TO ZYGMUND–TYPE SPACES

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Abstract. Let \( \varphi \) be an analytic self-map of the unit disk \( \mathbb{D} \), \( H(\mathbb{D}) \) the space of all analytic functions on \( \mathbb{D} \), and \( \psi_1, \psi_2 \in H(\mathbb{D}) \). The boundedness and compactness of Stević-Sharma operator \( T_{\psi_1, \psi_2, \varphi} f = \psi_1 \cdot f \circ \varphi + \psi_2 \cdot f' \circ \varphi \) from the mixed-norm space \( H(p, q, \phi) \) to Zygmund-type space \( \mathcal{Z}^\mu \) and little Zygmund-type space \( \mathcal{Z}^\mu_0 \) are investigated in this paper.


Keywords and phrases: Stević-Sharma operator, boundedness, compactness, mixed-norm spaces, Zygmund-type spaces.

REFERENCES


