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NEW ESTIMATE OF ESSENTIAL NORM OF COMPOSITION FOLLOWED BY DIFFERENTIATION BETWEEN BLOCH-TYPE SPACES

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ABSTRACT. We give a new characterization for the boundedness of composition operator followed by differentiation operator acting on Bloch-type spaces and calculate its essential norm in terms of the n -th power of the induced analytic self-map on the unit disk. From which some sufficient and necessary conditions of compactness of the operator follow immediately.

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