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DIFFERENCES OF GENERALIZED COMPOSITION OPERATORS BETWEEN BLOCH TYPE SPACES

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Abstract. Let φ and ψ be analytic self-maps of the open unit disk D. Using pseudo-hyperbolic distance $\rho(\varphi,\psi)$, we characterize the boundedness and compactness of the differences of generalized composition operators

$$(C_\varphi^g - C_\psi^h)f(z) = \int_0^z \left[f'(\varphi(\xi))g(\xi) - f'(\psi(\xi))h(\xi)\right]d\xi, \quad z \in D$$

between two Bloch-type spaces on D. The results generalize the corresponding results on the single generalized composition operator and on the differences of generalized composition operators on the Bloch space.

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