Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

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## Bohr's phenomena on the unit ball of a complex Banach space

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## Abstract

Let  $H_1$  be the Euclidean space  $\mathbb{C}^m$  or  $\ell_2$  and let  $\mathbb{B}_{H_1}$  be the unit ball of  $H_1$ . In this talk, we will give new generalizations of several results related to the Bohr radius for locally univalent harmonic functions on the unit disc  $\mathbb{U}$  in  $\mathbb{C}$  to pluriharmonic mappings on  $\mathbb{B}_{H_1}$ with values in  $H_1$  which satisfy some assumptions. All of the results are sharp and some of the results give improvements of the results on the unit disc.

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