The unboundedness of Hausdorff operators on Quasi-Banach spaces

Weichao Guo¹, Jianmiao Ruan², and Guoping Zhao ³

July 4, 2020

Abstract

In this note, we show that the Hausdorff operator H_{Φ} is unbounded on a large family of Quasi-Banach spaces, unless H_{Φ} is a zero operator.

Hosted file

 $\label{lem:unbounded_V2.pdf} while at https://authorea.com/users/339757/articles/465907-the-unboundedness-of-hausdorff-operators-on-quasi-banach-spaces$

 $^{^1}$ Jimei University

²Zhejiang International Studies University

³Xiamen University of Technology