

Some Properties of Triebel-Lizorkin and Besov Spaces Associated with Zygmund Dilations

Fanghui Liao and Zongguang Liu

Abstract. In this paper, using Calderón's reproducing formula and almost orthogonality estimates, we prove the lifting property and the embedding theorem of the Triebel-Lizorkin and Besov spaces associated with Zygmund dilations.