ENDPOINT FOR THE DIV-CURL LEMMA IN HARDY SPACES

Aline Bonami, Justin Feuto, and Sandrine Grellier

Abstract

We give a div-curl type lemma for the wedge product of closed differential forms on $\mathbb{R}^n$ when they have coefficients respectively in a Hardy space and L^∞ or BMO. In this latter case, the wedge product belongs to an appropriate Hardy-Orlicz space.