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Tunde Jakab* (tj8y@virginia.edu), Department of Mathematics, P. O. Box 400137, University of Virginia, Charlottesville, VA 22904-4137, and **Irina Mitrea** and **Marius Mitrea**. *Traces of functions in Hardy spaces on Lipschitz domains with applications to compensated compactness.*

We give some natural size and cancellation conditions guaranteeing that functions defined in a nonsmooth domain have traces in Hardy spaces on its boundary. As an application, a new proof to the classical div-curl lemma is also presented. (Received January 16, 2008)