

Aissa Aibeche (Sétif)

Title. Characterization of the range of the trace operator in Sobolev spaces on Lipschitz domains

Abstract. In this talk, we will give a new proof of the characterization of the range of the trace operator in Sobolev spaces on Lipschitz domains of \mathbb{R}^n . This proof relies on a definition of cross product in \mathbb{R}^n and on the paper by Geymonat and Buffa where the range is characterized for \mathbb{R}^3 .