Ann. Scuola Norm. Sup. Pisa Cl. Sci. (5) Vol. X (2011), 269-315

BV solutions of rate independent variational inequalities

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Abstract. We prove a theorem providing a geometric characterization of BV continuous vector rate independent operators. We apply this theorem to rate independent evolution variational inequalities and deduce new continuity properties of their solution operator: the vectorial play operator.

Mathematics Subject Classification (2010): 49J40 (primary); 47J35, 74C15, 34C55, 26A45 (secondary).