

# Zero-cycles on varieties fibred over curves by Chatelet surfaces

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**Abstract :** Let  $k$  be a number field. Consider the family of smooth projective  $k$ -varieties fibred over a curve by Chatelet surfaces. Poonen discovered that, for certain varieties in this family, it is not sufficient to explain the failure of Hasse principle and weak approximation for rational points by the Brauer-Manin obstruction. However, for this family of varieties, we prove that the Brauer-Manin obstruction is the only obstruction to the local-global principle for zero-cycles.