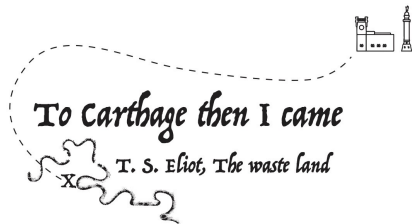


Gianni Dal Maso
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Friday 20th May
12:00 (Tunis time – GMT+1, UTC+1)



New results on the jerky crack growth in elastoplastic materials

In the framework of a model for the quasistatic crack growth in elastoplastic homogeneous materials in the planar case, we study the properties of the length of the crack as a function of time. We prove that, under suitable technical assumptions on the crack path, this monotone function is a pure jump function. Under stronger assumptions we prove also that the number of jumps is finite.